

Connecting via Winsock to STN

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LOGINID:SSPTANXR1625

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	OCT 23	The Derwent World Patents Index suite of databases on STN has been enhanced and reloaded
NEWS	4	OCT 30	CHEMLIST enhanced with new search and display field
NEWS	5	NOV 03	JAPIO enhanced with IPC 8 features and functionality
NEWS	6	NOV 10	CA/CAPLUS F-Term thesaurus enhanced
NEWS	7	NOV 10	STN Express with Discover! free maintenance release Version 8.01c now available
NEWS	8	NOV 20	CA/CAPLUS to MARPAT accession number crossover limit increased to 50,000
NEWS	9	DEC 01	CAS REGISTRY updated with new ambiguity codes
NEWS	10	DEC 11	CAS REGISTRY chemical nomenclature enhanced
NEWS	11	DEC 14	WPIDS/WPINDEX/WPIX manual codes updated
NEWS	12	DEC 14	GBFULL and FRFULL enhanced with IPC 8 features and functionality
NEWS	13	DEC 18	CA/CAPLUS pre-1967 chemical substance index entries enhanced with preparation role
NEWS	14	DEC 18	CA/CAPLUS patent kind codes updated
NEWS	15	DEC 18	MARPAT to CA/CAPLUS accession number crossover limit increased to 50,000
NEWS	16	DEC 18	MEDLINE updated in preparation for 2007 reload
NEWS	17	DEC 27	CA/CAPLUS enhanced with more pre-1907 records
NEWS	18	JAN 08	CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS	19	JAN 16	CA/CAPLUS Company Name Thesaurus enhanced and reloaded
NEWS	20	JAN 16	IPC version 2007.01 thesaurus available on STN
NEWS	21	JAN 16	WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
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NEWS	23	JAN 22	CA/CAPLUS enhanced with patent applications from India
NEWS	24	JAN 29	PHAR reloaded with new search and display fields
NEWS	25	JAN 29	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS EXPRESS		NOVEMBER 10	CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS LOGIN			Welcome Banner and News Items
NEWS IPC8			For general information regarding STN implementation of IPC 8
NEWS X25			X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

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***** STN Columbus *****

FILE 'HOME' ENTERED AT 13:28:12 ON 12 FEB 2007

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 13:28:22 ON 12 FEB 2007

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STRUCTURE FILE UPDATES: 11 FEB 2007 HIGHEST RN 920490-65-9

DICTIONARY FILE UPDATES: 11 FEB 2007 HIGHEST RN 920490-65-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

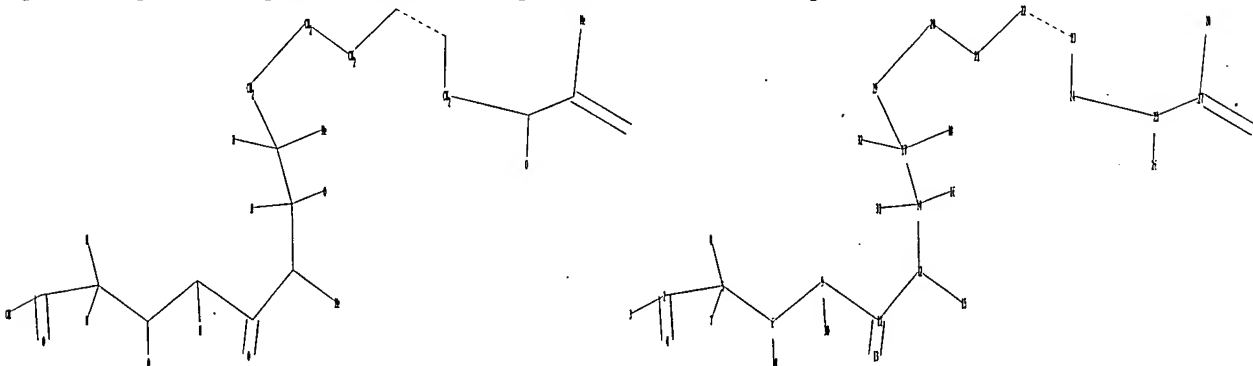
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10538200g.str



chain nodes :

2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
25 26 27 28 29 30 31 32

chain bonds :

2-3 2-4 2-5 5-6 5-7 5-8 6-9 6-10 9-11 9-30 11-12 11-13 12-14 12-15
14-16 14-17 14-31 17-18 17-19 17-32 19-20 20-21 21-22 22-23 23-24 24-25
25-26 25-27 27-28 27-29

exact/norm bonds :

6-10 11-13 14-16 22-23 25-26

exact bonds :

2-5 5-6 5-7 5-8 6-9 9-11 9-30 11-12 12-14 12-15 14-17 14-31 17-18
17-19 17-32 19-20 20-21 21-22 23-24 24-25 25-27 27-28 27-29

normalized bonds :

2-3 2-4

G1:H,C

Match level :

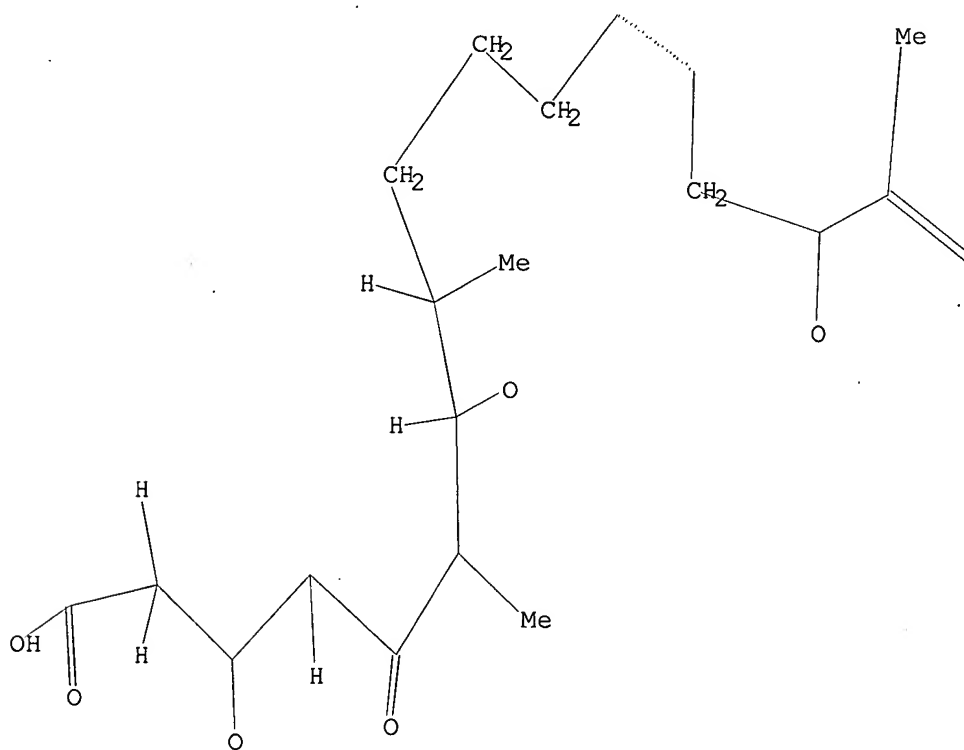
2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS
27:CLASS 28:CLASS 29:CLASS 30:CLASS 31:CLASS 32:CLASS

L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STR



G1 H,C

Structure attributes must be viewed using STN Express query preparation.

=> s 11

SAMPLE SEARCH INITIATED 13:28:46 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 38 TO ITERATE

100.0% PROCESSED 38 ITERATIONS

SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 391 TO 1129
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s 11 full

FULL SEARCH INITIATED 13:28:50 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 891 TO ITERATE

100.0% PROCESSED 891 ITERATIONS
SEARCH TIME: 00.00.01

0 ANSWERS

L3 0 SEA SSS FUL L1

=> log y

COST IN U.S. DOLLARS

SINCE FILE
ENTRY

TOTAL
SESSION

FULL ESTIMATED COST

172.10

172.31

STN INTERNATIONAL LOGOFF AT 13:29:00 ON 12 FEB 2007

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FILE 'HOME' ENTERED AT 12:54:12 ON 12 FEB 2007

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 12:54:23 ON 12 FEB 2007

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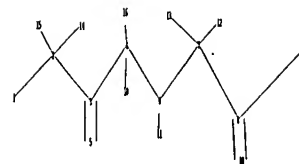
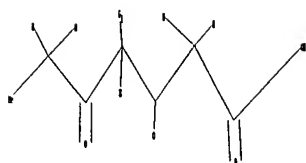
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=>

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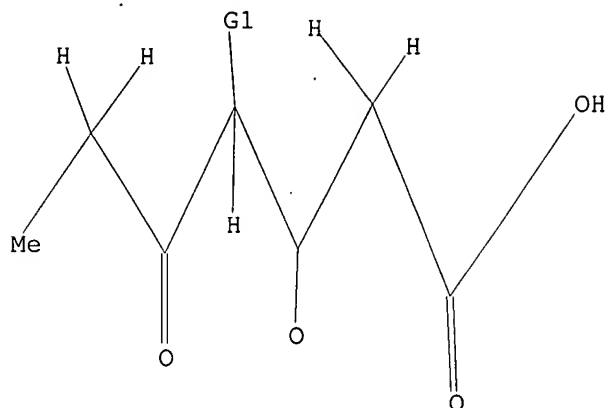
chain nodes :
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 18
 chain bonds :
 1-2 2-3 2-14 2-15 3-4 3-5 4-6 4-16 4-18 6-7 6-11 7-8 7-12 7-13 8-9
 8-10
 exact/norm bonds :
 3-5 4-16 6-11
 exact bonds :
 1-2 2-3 2-14 2-15 3-4 4-6 4-18 6-7 7-8 7-12 7-13
 normalized bonds :
 8-9 8-10

G1:H,C

Match level :
 1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
 10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 18:CLASS

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



G1 H,C

.. Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 12:54:59 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 5556 TO ITERATE

36.0% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 106651 TO 115589
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full
FULL SEARCH INITIATED 12:55:04 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 110520 TO ITERATE

100.0% PROCESSED 110520 ITERATIONS 3 ANSWERS
SEARCH TIME: 00.00.02

L3 3 SEA SSS FUL L1

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	172.10	172.31

FILE 'CAPLUS' ENTERED AT 12:55:10 ON 12 FEB 2007
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FILE COVERS 1907 - 12 Feb 2007 VOL 146 ISS 8
FILE LAST UPDATED: 11 Feb 2007 (20070211/ED)

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<http://www.cas.org/infopolicy.html>

=> s 13 full

L4 2 L3

=> d ibib abs hitstr tot

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:1068138 CAPLUS

DOCUMENT NUMBER: 142:197448

TITLE: Highly Efficient Nickel-Catalyzed Cross-Coupling of Succinic and Glutaric Anhydrides with Organozinc Reagents

AUTHOR(S): Bercot, Eric A.; Rovis, Tomislav

CORPORATE SOURCE: Department of Chemistry, Colorado State University, Fort Collins, CO, 80523, USA

SOURCE: Journal of the American Chemical Society (2005), 127(1), 247-254

CODEN: JACSAT; ISSN: 0002-7863

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 142:197448

AB A nickel-catalyzed alkylation of succinic and glutaric anhydrides with alkyl- and arylzinc reagents has been developed. A dramatic olefin effect has been investigated resulting in the identification of several styrene-based promoters which show pronounced enhancements in reaction rate. The substrate scope with respect to electrophilic and nucleophilic coupling partners has been examined and found to be remarkably broad, allowing for rapid introduction of mol. complexity through the use of functionalized coupling partners. Regioselective alkylation of an unsym. succinic anhydride and a profound effect of pendent coordinating olefins on reaction rate suggest a mechanism involving discrete oxidative addition of the nickel complex into the cyclic anhydride followed by a transmetalation event.

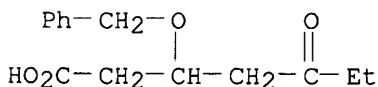
IT 838906-37-9P 838906-40-4P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)

(alkylation on nickel-catalyzed cross-coupling of succinic and glutaric anhydrides with organozinc reagents)

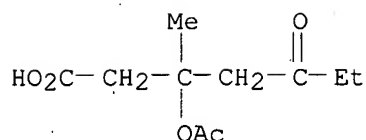
RN 838906-37-9 CAPLUS

CN Heptanoic acid, 5-oxo-3-(phenylmethoxy)- (9CI) (CA INDEX NAME)



RN 838906-40-4 CAPLUS

CN Heptanoic acid, 3-(acetyloxy)-3-methyl-5-oxo- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 82 THERE ARE 82 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:550960 CAPLUS

DOCUMENT NUMBER: 141:106321

TITLE: Preparation of epothilone derivatives for use in pharmaceutical compositions as antitumor agents

INVENTOR(S): Denni-Dischert, Donatienne; Floersheimer, Andreas; Kuesters, Ernst; Oberer, Lukas; Sedelmeier, Gottfried

PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis Pharma G.m.b.H.

SOURCE: PCT Int. Appl., 50 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004056832	A2	20040708	WO 2003-EP14747	20031222
WO 2004056832	A3	20040910		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LT, LU, LV, MA, MD, MK, MN, MX, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SE, SG, SK, SY, TJ, TM, TN, TR, TT, UA, US, UZ, VC, VN, YU, ZA, ZW				
RW: AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR				
CA 2510620	A1	20040708	CA 2003-2510620	20031222
AU 2003294938	A1	20040714	AU 2003-294938	20031222
EP 1581536	A2	20051005	EP 2003-785920	20031222
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003017693	A	20051122	BR 2003-17693	20031222
CN 1732172	A	20060208	CN 2003-80107416	20031222
JP 2006514025	T	20060427	JP 2004-561416	20031222
US 2006014796	A1	20060119	US 2005-538200	20050609
PRIORITY APPLN. INFO.:			GB 2002-30024	A 20021223
			WO 2003-EP14747	W 20031222
OTHER SOURCE(S):	MARPAT 141:106321			
GI				

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB C4-demethyl-epothilones or C4-bisnor-epothilones, such as I [R1, R7 = H, alkyl; R2 = nitrogen containing heteroaryl; R3 = H, Me; X = O, NR7; Z = O, bond], were prepared via fermentation and organic synthesis for use in pharmaceutical compns. as antitumor agents. Thus, C4-bisnor-epothilone B II (R3 = H) was prepared via an aldol condensation of aldehyde III with in situ disilylated (3R)-3-hydroxy-5-oxoheptanoic acid followed by a

desilylation/macrolactonization reaction sequence. Also, C4-demethyl-epothilone B II (R = Me) was prepared directly by a fermentation process. The prepared epothilones were assayed for efficacy against human KB-31 and KB-8511 carcinoma cells. Drug delivery formulations containing the prepared epothilones were presented.

IT 717917-50-5, (3R)-3-Hydroxy-5-oxoheptanoic acid

RL: RCT (Reactant); RACT (Reactant or reagent)

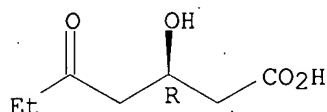
(preparation of epothilone derivs. via fermentation and organic synthesis for use in

pharmaceutical compns. as antitumor agents)

RN 717917-50-5 CAPLUS

CN Heptanoic acid, 3-hydroxy-5-oxo-, (3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



=> d his

(FILE 'HOME' ENTERED AT 12:54:12 ON 12 FEB 2007)

FILE 'REGISTRY' ENTERED AT 12:54:23 ON 12 FEB 2007

L1 STRUCTURE UPLOADED

L2 0 S L1

L3 3 S L1 FULL

FILE 'CAPLUS' ENTERED AT 12:55:10 ON 12 FEB 2007

L4 2 S L3 FULL

=> log y

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
11.48	183.79

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-1.56	-1.56

CA SUBSCRIBER PRICE

STN INTERNATIONAL LOGOFF AT 12:56:07 ON 12 FEB 2007

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Welcome to STN International! Enter x:x

LOGINID:SSPTANXR1625

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TERMINAL (ENTER 1, 2, 3, OR ?):2

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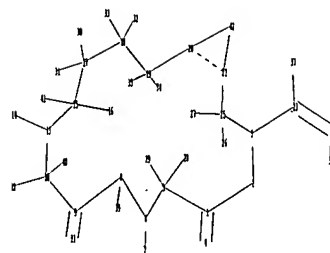
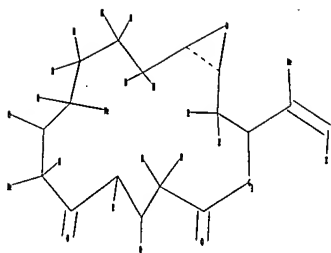
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=>

Uploading C:\Program Files\Stnexp\Queries\10538200h.str



chain nodes :

4 7 11 12 14 16 23 24 26 27 28 29 30 31 32 33 34 35 36 37 39
40 41

ring nodes :

1 2 3 5 6 8 9 10 13 15 17 18 19 20 21 25 42

chain bonds :

1-4 3-23 5-28 5-29 6-7 8-39 9-11 10-12 10-40 13-14 15-16 15-41 17-30
17-31 18-32 18-33 19-34 19-35 23-24 23-37 24-36 25-26 25-27

ring bonds :

1-2 1-5 2-3 3-25 5-6 6-8 8-9 9-10 10-13 13-15 15-17 17-18 18-19 19-20
20-21 20-42 21-25 21-42

exact/norm bonds :

1-2 1-4 1-5 2-3 3-23 3-25 5-6 5-28 5-29 6-7 6-8 8-9 8-39 9-10 9-11
10-12 10-13 10-40 13-14 13-15 15-16 15-17 15-41 17-18 17-30 17-31 18-19
18-32 18-33 19-20 19-34 19-35 20-21 20-42 21-25 21-42 23-24 23-37 24-36
25-26 25-27

isolated ring systems :

containing 1 :

G1:O,N

Match level :

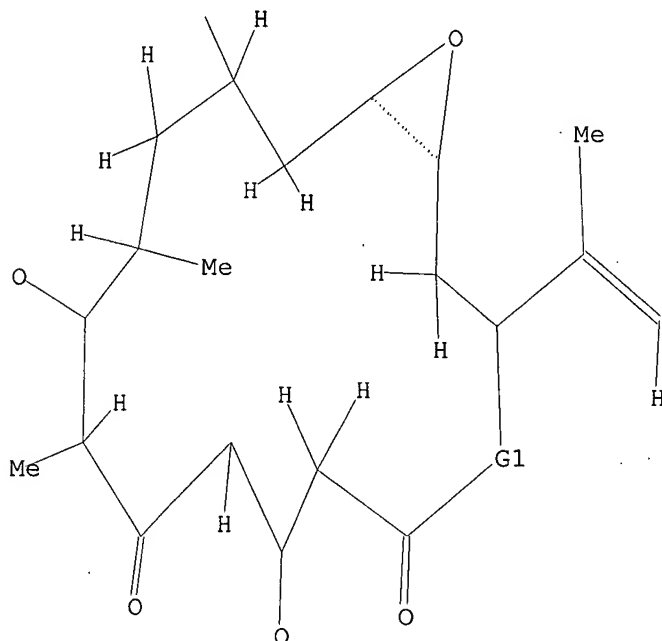
1:Atom 2:Atom 3:Atom 4:CLASS 5:Atom 6:Atom 7:CLASS 8:Atom 9:Atom 10:Atom
 11:CLASS 12:CLASS 13:Atom 14:CLASS 15:Atom 16:CLASS 17:Atom 18:Atom 19:Atom
 20:Atom 21:Atom 23:CLASS 24:CLASS 25:Atom 26:CLASS 27:CLASS 28:CLASS
 29:CLASS 30:CLASS 31:CLASS 32:CLASS 33:CLASS 34:CLASS 35:CLASS 36:CLASS
 37:CLASS 39:CLASS 40:CLASS 41:CLASS 42:Atom

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 O,N

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 14:19:36 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 101 TO ITERATE

100.0% PROCESSED 101 ITERATIONS

1 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 1418 TO 2622

PROJECTED ANSWERS: 1 TO 80

L2 1 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 14:19:41 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1860 TO ITERATE

100.0% PROCESSED 1860 ITERATIONS

9 ANSWERS

SEARCH TIME: 00.00.01

L3 9 SEA SSS FUL L1

=> file caplu

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	172.10	172.31

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.47	172.78

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FILE COVERS 1907 - 12 Feb 2007 VOL 146 ISS 8
FILE LAST UPDATED: 11 Feb 2007 (20070211/ED)

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=> s l3 full

L4 6 L3

=> d ibib abs histr tot

'HISTR' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

The following are valid formats:

ABS ----- GI and AB
ALL ----- BIB, AB, IND, RE
APPS ----- AI, PRAI
BIB ----- AN, plus Bibliographic Data and PI table (default)
CAN ----- List of CA abstract numbers without answer numbers
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CLASS ----- IPC, NCL, ECLA, FTERM
DALL ----- ALL, delimited (end of each field identified)
DMAX ----- MAX, delimited for post-processing
FAM ----- AN, PI and PRAI in table, plus Patent Family data
FBIB ----- AN, BIB, plus Patent FAM
IND ----- Indexing data
IPC ----- International Patent Classifications
MAX ----- ALL, plus Patent FAM, RE
PATS ----- PI, SO
SAM ----- CC, SX, TI, ST, IT
SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;
SCAN must be entered on the same line as the DISPLAY,
e.g., D SCAN or DISPLAY SCAN)
STD ----- BIB, CLASS

IABS ----- ABS, indented with text labels
IALL ----- ALL, indented with text labels
IBIB ----- BIB, indented with text labels
IMAX ----- MAX, indented with text labels
ISTD ----- STD, indented with text labels

OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations

HIT ----- Fields containing hit terms
HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)
containing hit terms
HITRN ----- HIT RN and its text modification
HITSTR ----- HIT RN, its text modification, its CA index name, and
its structure diagram
HITSEQ ----- HIT RN, its text modification, its CA index name, its
structure diagram, plus NTE and SEQ fields
FHITSTR ----- First HIT RN, its text modification, its CA index name, and
its structure diagram
FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
structure diagram, plus NTE and SEQ fields
KWIC ----- Hit term plus 20 words on either side
OCC ----- Number of occurrence of hit term and field in which it occurs

To display a particular field or fields, enter the display field codes. For a list of the display field codes, enter HELP DFIELDS at an arrow prompt (=>). Examples of formats include: TI; TI,AU; BIB,ST; TI,IND; TI,SO. You may specify the format fields in any order and the information will be displayed in the same order as the format specification.

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ENTER DISPLAY FORMAT (BIB):kwic

252981-50-3P, 21-Hydroxy epothilone D 377085-95-5P, 11-Hydroxy
epothilone D 502619-64-9P, 14-Hydroxy epothilone D 502619-65-0P
860300-13-6P 860300-22-7P 860300-23-8P 860300-27-2P
RL: BPN (Biosynthetic preparation); THU (Therapeutic use); BIOL
(Biological study); PREP (Preparation); USES (Uses)
(production of epothilones derivs. in Myxococcus or Sorangium comprising
PKS mutant gene)

IT 860300-09-0P 860300-10-3P 860300-11-4P 860300-12-5P
860300-14-7P 860300-15-8P 860300-16-9P 860300-17-0P 860300-18-1P
860300-19-2P 860300-20-5P 860300-21-6P 860300-24-9P
860300-25-0P 860300-26-1P
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological
study); PREP (Preparation); USES (Uses)
(production of epothilones derivs. in Myxococcus or Sorangium comprising
PKS mutant gene)

L4 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN

IT 502619-65-0P
RL: BPN (Biosynthetic preparation); PAC (Pharmacological activity); PUR
(Purification or recovery); THU (Therapeutic use); BIOL (Biological
study); PREP (Preparation); USES (Uses)
(preparation of epothilone derivs. via fermentation and organic synthesis
for use in
pharmaceutical compns. as antitumor agents)

IT 279226-56-1P 717917-46-9P 717917-47-0P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)
(preparation of epothilone derivs. via fermentation and organic synthesis
for use in
pharmaceutical compns. as antitumor agents)

L4 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN

IT 152044-53-6 184297-59-4 186692-73-9 188259-95-2 188260-09-5
188260-10-8 198475-04-6 198475-08-0 198571-00-5 198571-09-4
219824-30-3 219824-31-4 219989-84-1 252981-50-3 371979-40-7, Epo
490 371979-46-3 377085-95-5 491611-01-9 497222-95-4 497222-97-6
502619-64-9 502619-65-0 666739-87-3 666739-88-4
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
(Biological study); USES (Uses)
(synthesis of epothilones for use in pharmaceutical compns. for the
treatment of cancer)

L4 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN

IT 152044-53-6P, Epothilone A 184297-59-4P 186692-73-9P, Desoxyepothilone
A 188259-95-2P 188260-09-5P 188260-10-8P 198571-00-5P
198571-09-4P 201136-88-1P 220776-42-1P 350493-61-7P 502619-61-6P
502619-63-8P 502619-64-9P 502619-65-0P
RL: PAC (Pharmacological activity); PNU (Preparation, unclassified); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)
(prepn of epothilones for therapeutic use as anticancer agents)

L4 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN

IT 152044-53-6P, Epothilone A 152044-54-7P, Epothilone b 186692-73-9P,
Epothilone C 189453-10-9P, Epothilone D 192370-82-4P, Epothilone C4
198475-12-6P, Epothilone H1 198570-99-9P, Epothilone G1 198571-00-5P,
Epothilone G2 198571-09-4P, Epothilone H2 201049-37-8P, Epothilone E
204918-15-0P, Epothilone I1 208518-52-9P, Epothilone F
252917-29-6P, Epothilone A1 252917-30-9P, Epothilone A2
252917-31-0P 252917-32-1P 252917-33-2P, Epothilone B10 252917-34-3P,
Epothilone C1 252917-35-4P, Epothilone D1 252917-36-5P, Epothilone C2
252917-37-6P, Epothilone D2 252917-38-7P, Epothilone C3 252917-39-8P,
Epothilone C5 252917-40-1P, Epothilone D5 252917-42-3P, Epothilone C6
252917-44-5P, Epothilone C7 252917-46-7P, Epothilone C8 252917-47-8P,

Epothilone C9 252917-48-9P, trans-Epothilone C1 252917-49-0P,
trans-Epothilone C2 252917-50-3P, Epothilone I2 252917-51-4P,
Epothilone I3 252917-52-5P, Epothilone I4 252917-53-6P, Epothilone I5
252917-54-7P, Epothilone I6 252917-55-8P 252917-56-9P 354817-88-2P
354817-89-3P 354817-90-6P 354817-91-7P 354985-89-0P
RL: BPN (Biosynthetic preparation); PRP (Properties); PUR (Purification or
recovery); BIOL (Biological study); PREP (Preparation)
(new natural epothilones from Sorangium cellulosum)

L4 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN
IT 192370-82-4P, Epothilone C4 198475-12-6P, Epothilone H1 198570-99-9P,
Epothilone G1 198571-00-5P, Epothilone G2 198571-09-4P, Epothilone H2
204918-15-0P, Epothilone I1 252917-29-6P, Epothilone A1
252917-30-9P, Epothilone A2 252917-31-0P, Epothilone A8
252917-32-1P, Epothilone A9 252917-33-2P, Epothilone B10 252917-34-3P,
Epothilone C1 252917-35-4P, Epothilone D1 252917-36-5P, Epothilone C2
252917-37-6P, Epothilone D2 252917-38-7P, Epothilone C3 252917-39-8P,
Epothilone C5 252917-40-1P, Epothilone D5 252917-42-3P, Epothilone C6
252917-44-5P, Epothilone C7 252917-46-7P, Epothilone C8 252917-47-8P,
Epothilone C9 252917-48-9P, trans-Epothilone C1 252917-49-0P,
trans-Epothilone C2 252917-50-3P, Epothilone I2 252917-51-4P,
Epothilone I3 252917-52-5P, Epothilone I4 252917-53-6P, Epothilone I5
252917-54-7P, Epothilone I6 252917-55-8P, Epothilone K 252917-56-9P
252917-57-0P 252917-58-1P
RL: BAC (Biological activity or effector, except adverse); BOC (Biological
occurrence); BSU (Biological study, unclassified); PRP (Properties); PUR
(Purification or recovery); BIOL (Biological study); OCCU (Occurrence);
PREP (Preparation)
(epothilone minor constituents)

=> d ibib abs.hitstr tot

L4 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:460208 CAPLUS
DOCUMENT NUMBER: 143:171398
TITLE: Production of epothilones derivatives in Myxococcus or
Sorangium comprising PKS mutant gene
INVENTOR(S): Qiu, Rongguo
PATENT ASSIGNEE(S): Beijing Huahao Zhongtian Biotechnology Co., Ltd.,
Peop. Rep. China
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, No pp.
given
CODEN: CNXXEV
DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

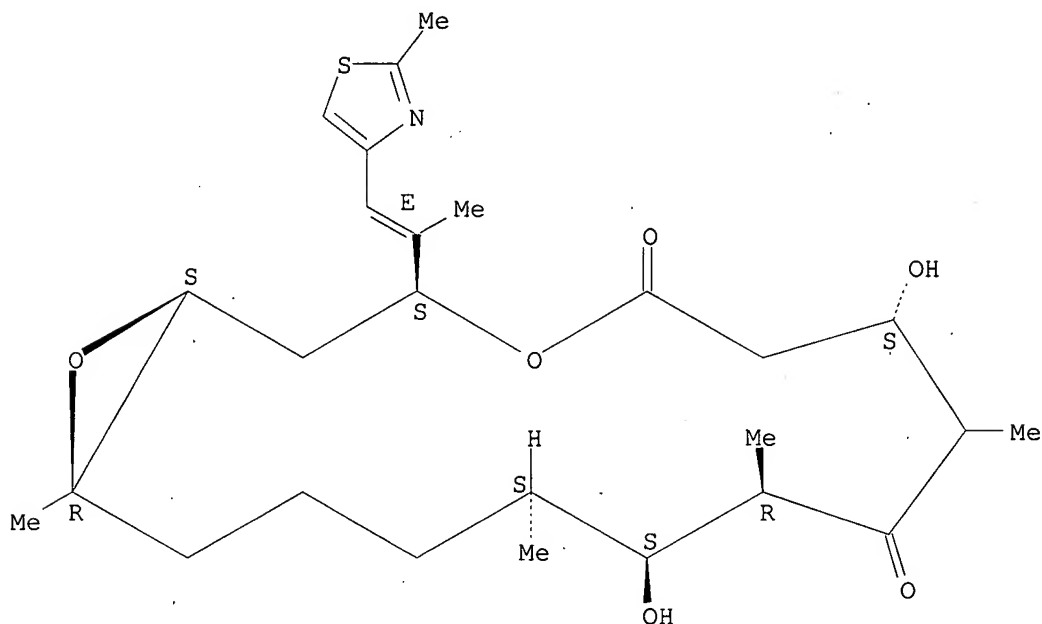
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1521258.2	A	20040818	CN 2003-103031	20030128
PRIORITY APPLN. INFO.:			CN 2003-103031	20030128
OTHER SOURCE(S):	MARPAT 143:171398			

AB Described is a method for production of epothilones derivs. in Myxococcus or
Sorangium comprising PKS mutant gene. The invention also relates to the
uses of these compds. in preparing medicine composition for treating tumor,
inhibiting cell proliferation and growth.

IT 502619-65-0P 860300-22-7P
RL: BPN (Biosynthetic preparation); THU (Therapeutic use); BIOL
(Biological study); PREP (Preparation); USES (Uses)
(production of epothilones derivs. in Myxococcus or Sorangium comprising
PKS mutant gene)
RN 502619-65-0 CAPLUS
CN 4,17-Dioxabicyclo[14.1.0]heptadecane-5,9-dione, 7,11-dihydroxy-8,10,12,16-

tetramethyl-3-[(1E)-1-methyl-2-(2-methyl-4-thiazolyl)ethenyl]-,
(1S,3S,7S,10R,11S,12S,16R)- (9CI) (CA INDEX NAME)

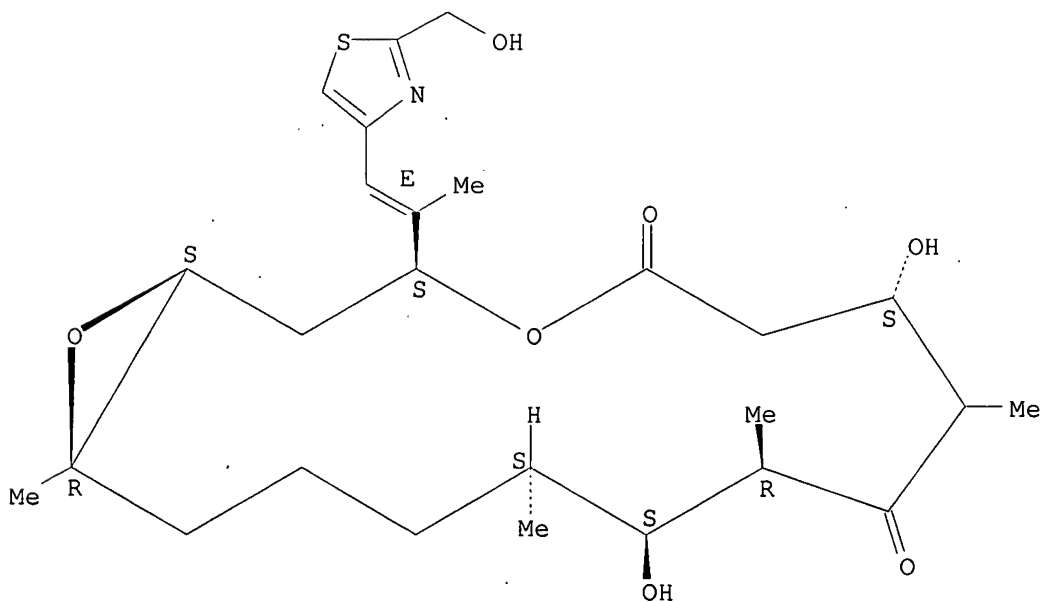
Absolute stereochemistry.
Double bond geometry as shown.



RN 860300-22-7 CAPLUS

CN 4,17-Dioxabicyclo[14.1.0]heptadecane-5,9-dione, 7,11-dihydroxy-3-[(1E)-2-
[2-(hydroxymethyl)-4-thiazolyl]-1-methylethenyl]-8,10,12,16-tetramethyl-,
(1S,3S,7S,10R,11S,12S,16R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



IT 860300-10-3P 860300-19-2P 860300-21-6P
860300-25-0P

RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological
study); PREP (Preparation); USES (Uses)

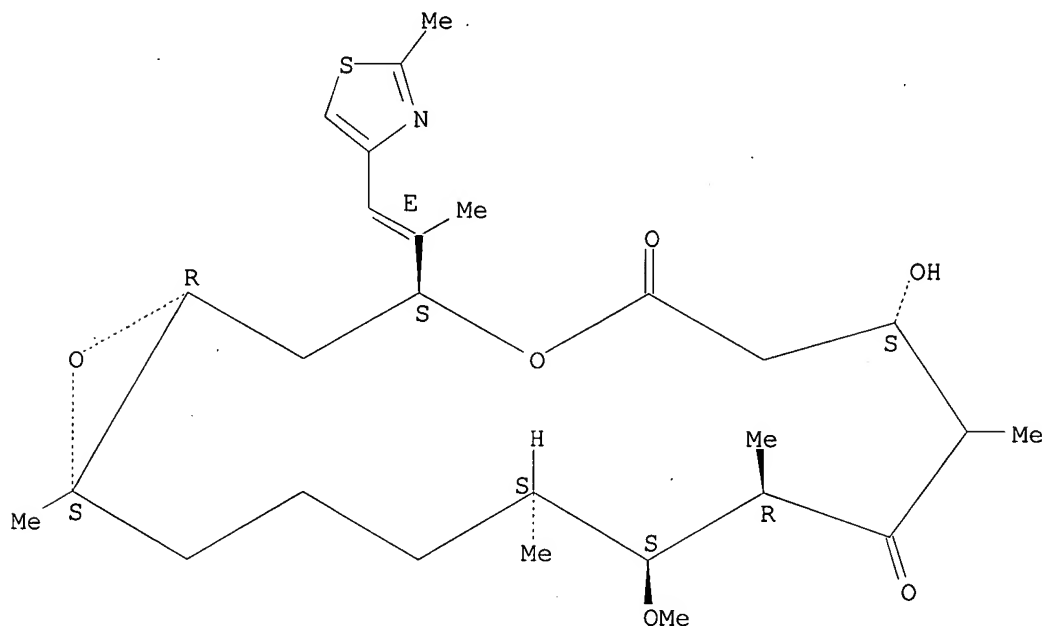
(production of epothilones derivs. in Myxococcus or Sorangium comprising
PKS mutant gene)

RN 860300-10-3 CAPLUS

CN 4,17-Dioxabicyclo[14.1.0]heptadecane-5,9-dione, 7-hydroxy-11-methoxy-
8,10,12,16-tetramethyl-3-[(1E)-1-methyl-2-(2-methyl-4-thiazolyl)ethenyl]-,
(1R,3S,7S,10R,11S,12S,16S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown..

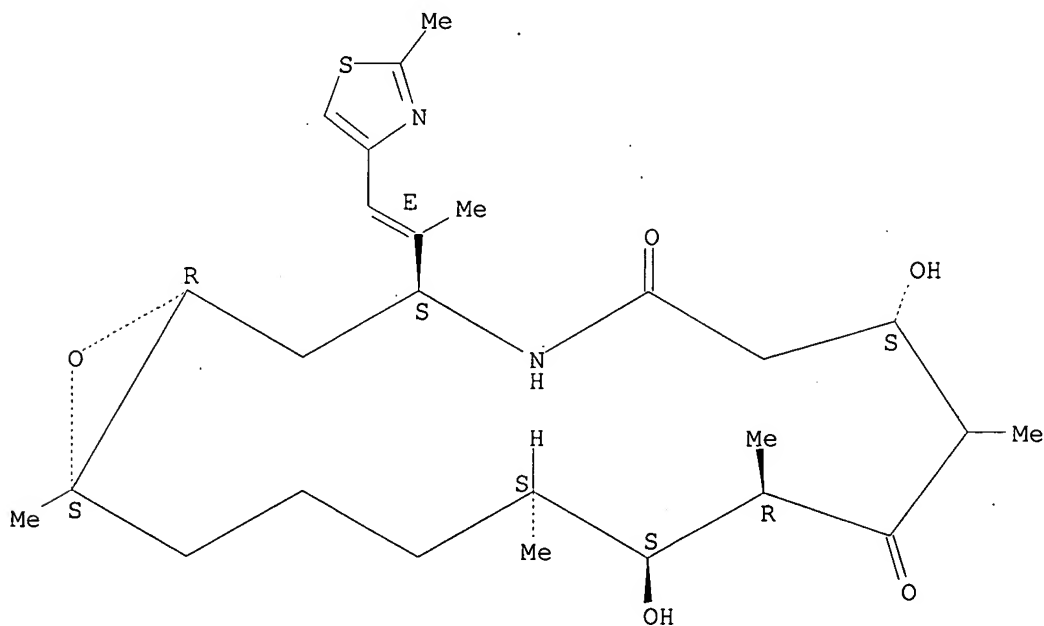


RN 860300-19-2 CAPLUS

CN 17-Oxa-4-azabicyclo[14.1.0]heptadecane-5,9-dione, 7,11-dihydroxy-
8,10,12,16-tetramethyl-3-[(1E)-1-methyl-2-(2-methyl-4-thiazolyl)ethenyl]-,
(1R,3S,7S,10R,11S,12S,16S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.

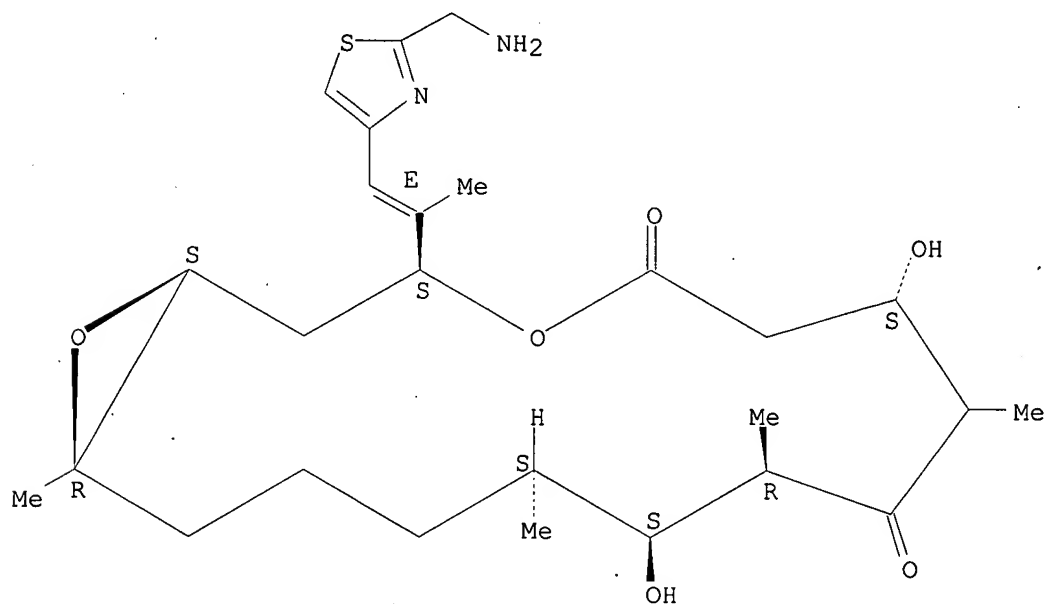


RN 860300-21-6 CAPLUS

CN 4,17-Dioxabicyclo[14.1.0]heptadecane-5,9-dione, 3-[(1E)-2-[2-(aminomethyl)-4-thiazolyl]-1-methylethenyl]-7,11-dihydroxy-8,10,12,16-tetramethyl-, (1S,3S,7S,10R,11S,12S,16R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.

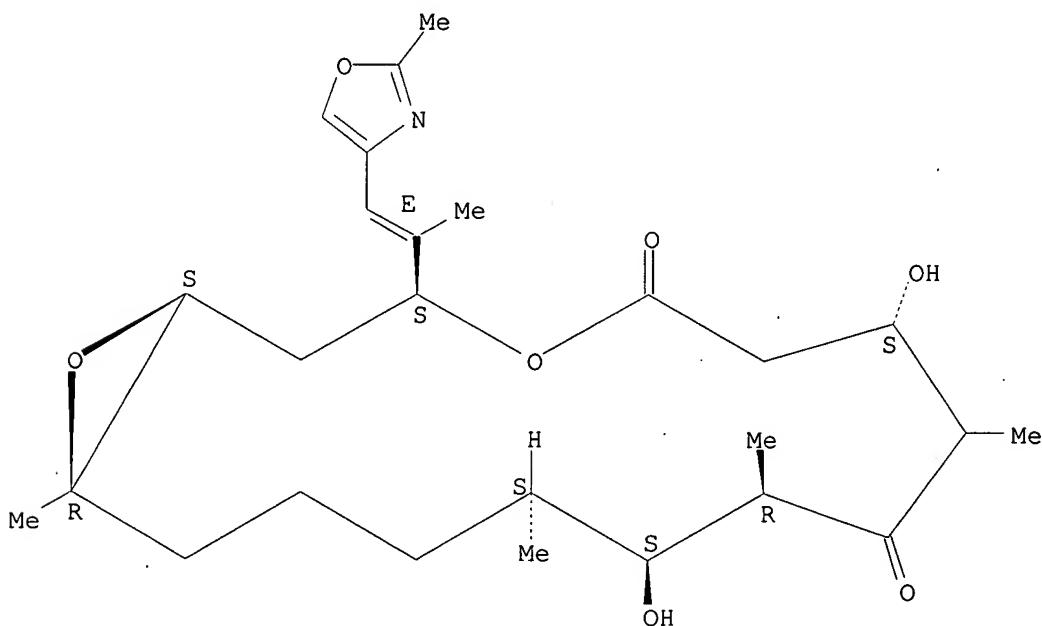


RN 860300-25-0 CAPLUS

CN 4,17-Dioxabicyclo[14.1.0]heptadecane-5,9-dione, 7,11-dihydroxy-8,10,12,16-tetramethyl-3-[(1E)-1-methyl-2-(2-methyl-4-oxazolyl)ethenyl]-, (1S,3S,7S,10R,11S,12S,16R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.



ACCESSION NUMBER: 2004:550960 CAPLUS
 DOCUMENT NUMBER: 141:106321
 TITLE: Preparation of epothilone derivatives for use in
 pharmaceutical compositions as antitumor agents
 INVENTOR(S): Denni-Dischert, Donatienne; Floersheimer, Andreas;
 Kuesters, Ernst; Oberer, Lukas; Sedelmeier, Gottfried
 PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis Pharma G.m.b.H.
 SOURCE: PCT Int. Appl., 50 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004056832	A2	20040708	WO 2003-EP14747	20031222
WO 2004056832	A3	20040910		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LT, LU, LV, MA, MD, MK, MN, MX, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SE, SG, SK, SY, TJ, TM, TN, TR, TT, UA, US, UZ, VC, VN, YU, ZA, ZW			
RW:	AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR			
CA 2510620	A1	20040708	CA 2003-2510620	20031222
AU 2003294938	A1	20040714	AU 2003-294938	20031222
EP 1581536	A2	20051005	EP 2003-785920	20031222
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
BR 2003017693	A	20051122	BR 2003-17693	20031222
CN 1732172	A	20060208	CN 2003-80107416	20031222
JP 2006514025	T	20060427	JP 2004-561416	20031222
US 2006014796	A1	20060119	US 2005-538200	20050609
PRIORITY APPLN. INFO.:			GB 2002-30024	A 20021223
			WO 2003-EP14747	W 20031222
OTHER SOURCE(S):	MARPAT 141:106321			
GI				

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB C4-demethyl-epothilones or C4-bisnor-epothilones, such as I [R1, R7 = H, alkyl; R2 = nitrogen containing heteroaryl; R3 = H, Me; X = O, NR7; Z = O, bond], were prepared via fermentation and organic synthesis for use in pharmaceutical compns. as antitumor agents. Thus, C4-bisnor-epothilone B II (R3 = H) was prepared via an aldol condensation of aldehyde III with in situ disilylated (3R)-3-hydroxy-5-oxoheptanoic acid followed by a desilylation/macrolactonization reaction sequence. Also, C4-demethyl-epothilone B II (R = Me) was prepared directly by a fermentation process. The prepared epothilones were assayed for efficacy against human KB-31 and KB-8511 carcinoma cells. Drug delivery formulations containing the prepared epothilones were presented.

IT 502619-65-0P
 RL: BPN (Biosynthetic preparation); PAC (Pharmacological activity); PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of epothilone derivs. via fermentation and organic synthesis for use in

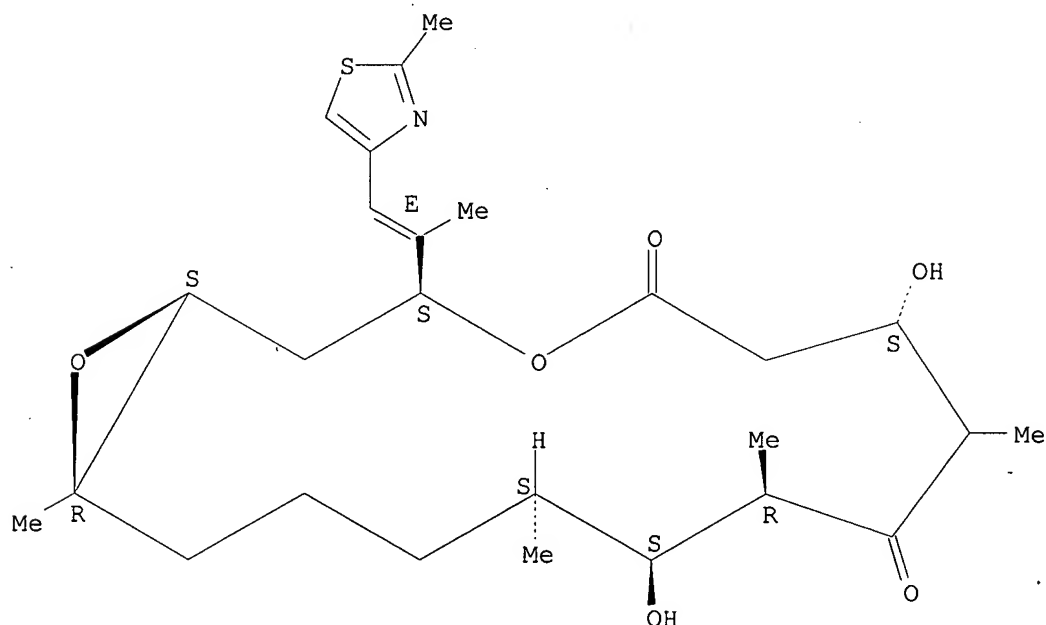
pharmaceutical compns. as antitumor agents)

RN 502619-65-0 CAPLUS

CN 4,17-Dioxabicyclo[14.1.0]heptadecane-5,9-dione, 7,11-dihydroxy-8,10,12,16-tetramethyl-3-[(1E)-1-methyl-2-(2-methyl-4-thiazolyl)ethenyl]-, (1S,3S,7S,10R,11S,12S,16R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.



IT 717917-47-0P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of epothilone derivs. via fermentation and organic synthesis for use in

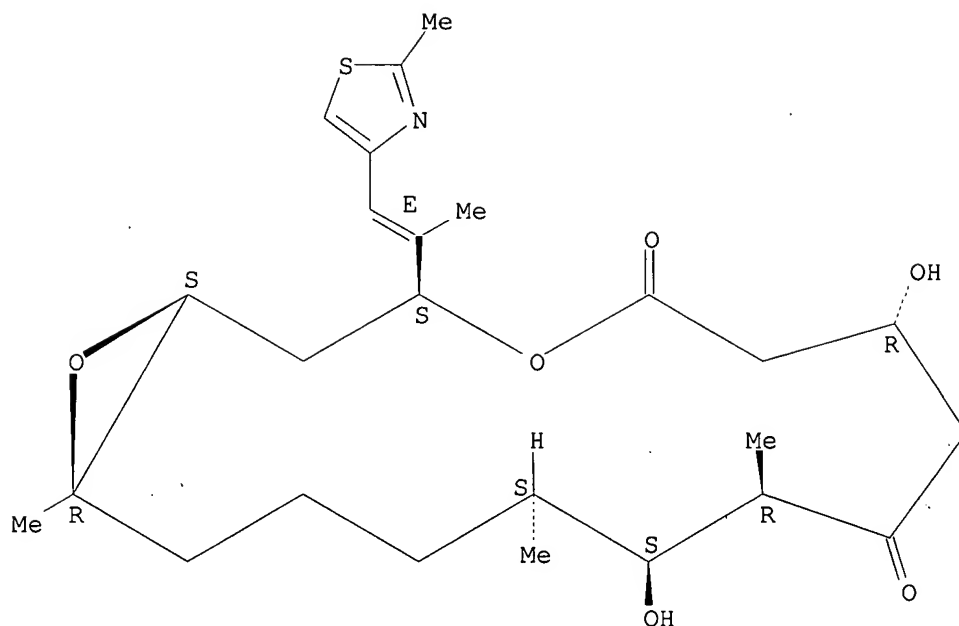
pharmaceutical compns. as antitumor agents)

RN 717917-47-0 CAPLUS

CN 4,17-Dioxabicyclo[14.1.0]heptadecane-5,9-dione, 7,11-dihydroxy-10,12,16-trimethyl-3-[(1E)-1-methyl-2-(2-methyl-4-thiazolyl)ethenyl]-, (1S,3S,7R,10R,11S,12S,16R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.



L4 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:182886 CAPLUS

DOCUMENT NUMBER: 140:217439

TITLE: Synthesis of epothilones for use in pharmaceutical compositions for the treatment of cancer

INVENTOR(S): Danishefsky, Samuel J.; Rivkin, Alexey; Yoshimura, Fumihiko; Gabarda Ortega, Ana Esther; Cho, Young Shin; Chou, Ting-Chao; Dongm, Huajin

PATENT ASSIGNEE(S): Sloan-Kettering Institute for Cancer Research, USA

SOURCE: PCT Int. Appl., 223 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

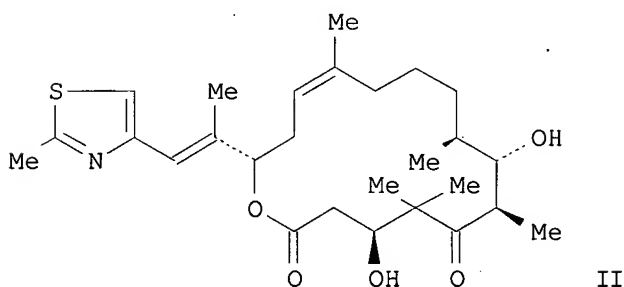
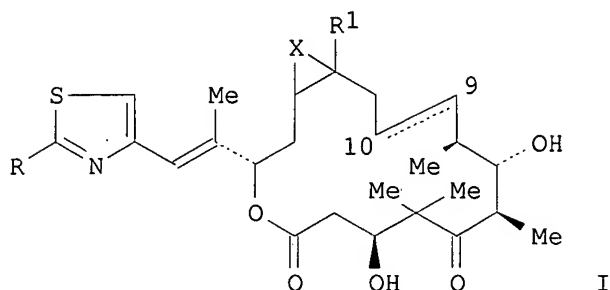
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004018478	A2	20040304	WO 2003-US26367	20030822
WO 2004018478	A3	20041209		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2004053995	A1	20040318	US 2003-402004	20030328
US 6921769	B2	20050726		
US 2004053910	A1	20040318	US 2003-435408	20030509
CA 2496477	A1	20040304	CA 2003-2496477	20030822
AU 2003260002	A1	20040311	AU 2003-260002	20030822
EP 1506203	A2	20050216	EP 2003-793304	20030822
EP 1506203	B1	20070103		
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JP 2006502246	T	20060119	JP 2005-501774	20030822
CN 1759115	A	20060412	CN 2003-822561	20030822
IN 2005KN00462	A	20060303	IN 2005-KN462	20050318
PRIORITY APPLN. INFO.:			US 2002-405823P	P 20020823
			US 2002-408589P	P 20020906
			US 2002-423129P	P 20021101
			US 2003-456159P	P 20030320
			US 2003-402004	A 20030328
			US 2003-435408	A 20030509
			US 2003-496741P	P 20030821
			WO 2003-US26367	W 20030822
OTHER SOURCE(S):		CASREACT 140:217439; MARPAT 140:217439		
GI				



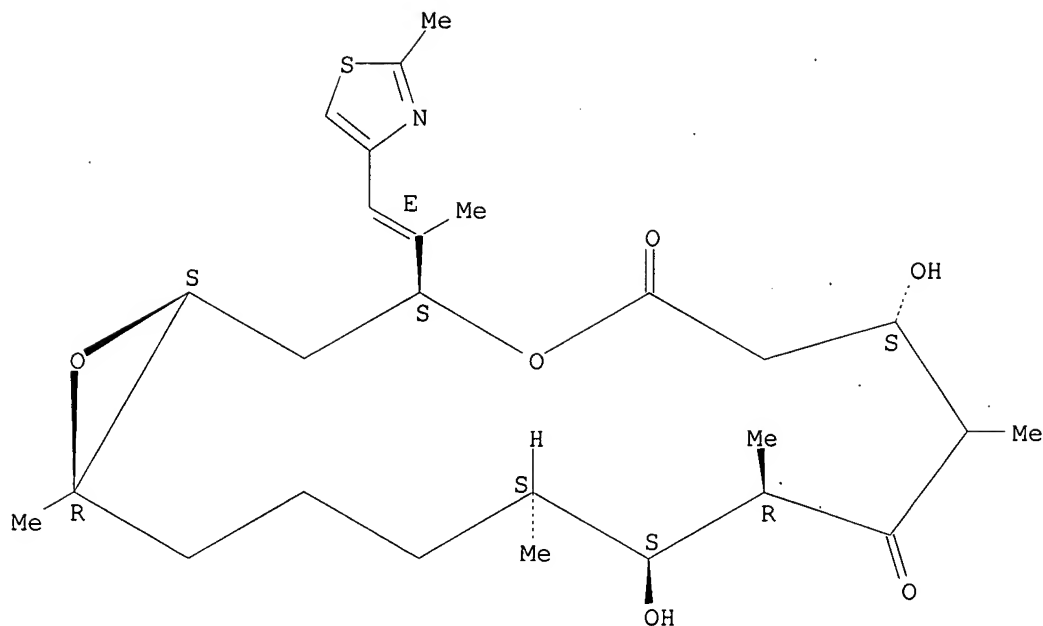
AB Epothilones, such as I [R = Me, CH₂OH, CH₂NH₂, etc.; R₁ = H, Me, CF₃, etc.; X = O, bond; 9,10-saturated or -unsatd.], were prepared for therapeutic use as antitumor agents. Thus, II was prepared via a multistep synthetic sequence which included an intramol. metathesis reaction to form the macrocyclic ring. The prepared epothilones were assayed for pharmacol. activity by various means which included growth inhibition of CCRF-CEM cells.

IT 502619-65-0
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (synthesis of epothilones for use in pharmaceutical compns. for the treatment of cancer)

RN 502619-65-0 CAPLUS

CN 4,17-Dioxabicyclo[14.1.0]heptadecane-5,9-dione, 7,11-dihydroxy-8,10,12,16-tetramethyl-3-[(1E)-1-methyl-2-(2-methyl-4-thiazolyl)ethenyl]-, (1S,3S,7S,10R,11S,12S,16R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry as shown.



L4 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2003:221685 CAPLUS

DOCUMENT NUMBER: 138:255008

TITLE: Synthesis of epothilones for therapeutic use as anticancer agents

INVENTOR(S): Danishefsky, Samuel J.; Biswas, Kaustav; Chapell, Mark; Lin, Hong; Njardarson, Jon T.; Lee, Chulbom; Rivkin, Alexey; Chou, Ting-Chao

PATENT ASSIGNEE(S): Sloan-Kettering Institute for Cancer Research, USA

SOURCE: PCT Int. Appl., 219 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003022844	A2	20030320	WO 2002-US28425	20020906
WO 2003022844	A3	20040304		
WO 2003022844	A9	20040415		

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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

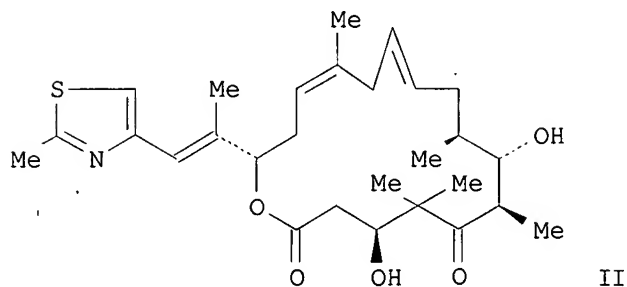
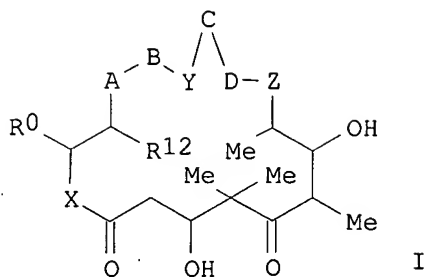
US 2003176368 A1 20030918 US 2002-236135 20020906

PRIORITY APPLN. INFO.: US 2001-317637P P 20010906

US 2001-351576P P 20011026

OTHER SOURCE(S): MARPAT 138:255008

GI



AB Epothilones, such as I [R0 = aryl, heteroaryl, arylalkyl, arylalkenyl, arylalkynyl, etc.; R1, R1', R2, R2' = H, alkyl, haloalkyl, etc.; R3, R3' = H, alkyl, etc.; R12 = H, OH, NH2, halogen, alkoxy, alkylamino, etc.; A-B, C-D = C(R1):C(R2), CR1R1'CR2R2', etc.; X = O, S, CR3R3', NR3; Y = (CH2)m; Z = (CH2)q; m = 0-3, q = 1-3, and m + q = 1-4], were prepared for use in pharmaceutical compns. for the treatment of cancer. Thus, epothilone II was prepared via a multistep synthetic sequence which included an intramol. metathesis macrocyclization reaction using Grubbs' imidazole catalyst. The prepared epothilones were tested for cytotoxicity against a number of cancer cell lines.

IT 502619-65-0P

RL: PAC (Pharmacological activity); PNU (Preparation, unclassified); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

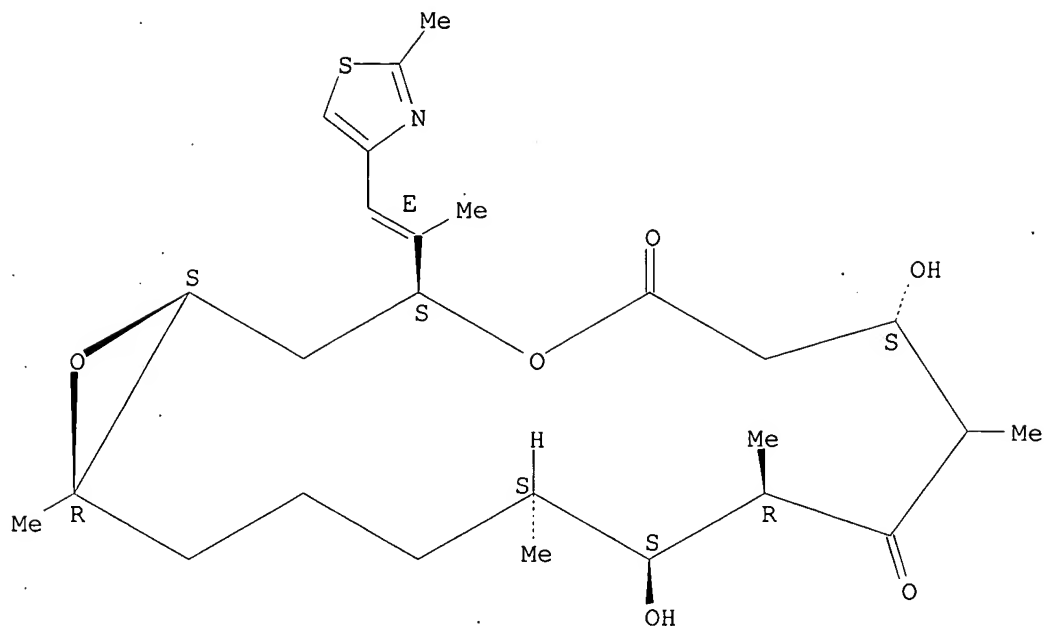
(prepn of epothilones for therapeutic use as anticancer agents)

RN 502619-65-0 CAPLUS

CN 4,17-Dioxabicyclo[14.1.0]heptadecane-5,9-dione, 7,11-dihydroxy-8,10,12,16-tetramethyl-3-[(1E)-1-methyl-2-(2-methyl-4-thiazolyl)ethenyl]-, (1S,3S,7S,10R,11S,12S,16R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.



L4 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:413810 CAPLUS

DOCUMENT NUMBER: 135:179755

TITLE: New Natural Epothilones from *Sorangium cellulosum*, Strains So ce90/B2 and So ce90/D13: Isolation, Structure Elucidation, and SAR Studies

AUTHOR(S): Hardt, Ingo H.; Steinmetz, Heinrich; Gerth, Klaus; Sasse, F.; Reichenbach, Hans; Hoefle, Gerhard
CORPORATE SOURCE: Gesellschaft fuer Biotechnologische Forschung mbH, Braunschweig, D-38124, Germany

SOURCE: Journal of Natural Products (2001), 64(7), 847-856
CODEN: JNPRDF; ISSN: 0163-3864

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

AB In addition to epothilones A (1) and B (2), 37 natural epothilone variants and epothilone-related compds. were isolated from the culture broth of a 700 L fermentation of *Sorangium cellulosum*, strain So ce90/B2. Of these, only the 12,13-desoxyepothilones, epothilone C (14) and D (15), were produced in significant amts. (3-6 mg/L); the 21-hydroxy derivs. and epothilones E (3) and F (4), in low and variable amts. due to further degradation by the producing organism. Most of the other epothilone variants were produced only in 1-100 µg/L amts. The new compds. are very similar in structure to the parent compds. 1, 2 and 14, 15 and are presumably the result of the imperfect selectivity of the biosynthetic enzymes for acetate and propionate. Further, epothilones containing an oxazole moiety (10-13) in the side chain instead of a thiazole as well as ring-expanded 18-membered macrolides, epothilones I (30-35), and a ring contracted 14-membered macrolide, epothilone K (36), were found as very minor metabolites. The mutant strain, So ce90/D13, instead of macrolactones, produced short-chain carboxylic acids 40, 41, and 42 bearing the characteristic thiazole side chain. The structures of the new epothilones were elucidated on the basis of comprehensive NMR and MS data. The new epothilone variants were tested in a cytotoxicity assay with mouse fibroblasts (cell line L929), and structure-activity relationships were established. Several new natural epothilones showed activity comparable to 1 and 2, but in no case exceeded that of 2.

IT 252917-29-6P, Epothilone A1 252917-30-9P, Epothilone A2

RL: BPN (Biosynthetic preparation); PRP (Properties); PUR (Purification or

recovery); BIOL (Biological study); PREP (Preparation)
(new natural epothilones from Sorangium cellulosum)

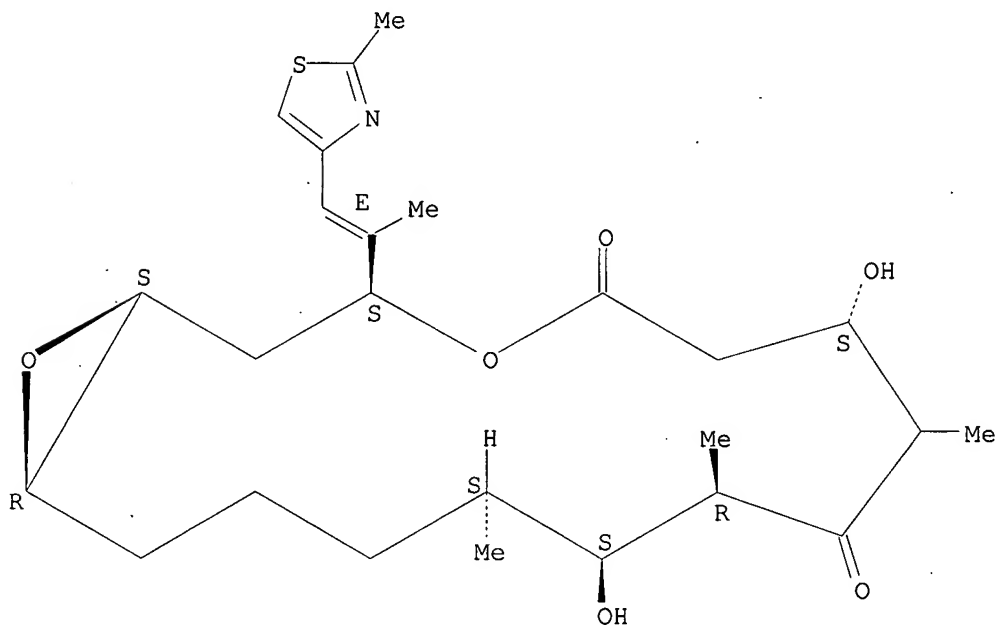
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CN 4,17-Dioxabicyclo[14.1.0]heptadecane-5,9-dione, 7,11-dihydroxy-8,10,12-trimethyl-3-[(1E)-1-methyl-2-(2-methyl-4-thiazolyl)ethenyl]-, (1S,3S,7S,10R,11S,12S,16R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

Double bond geometry as shown.

Currently available stereo shown.



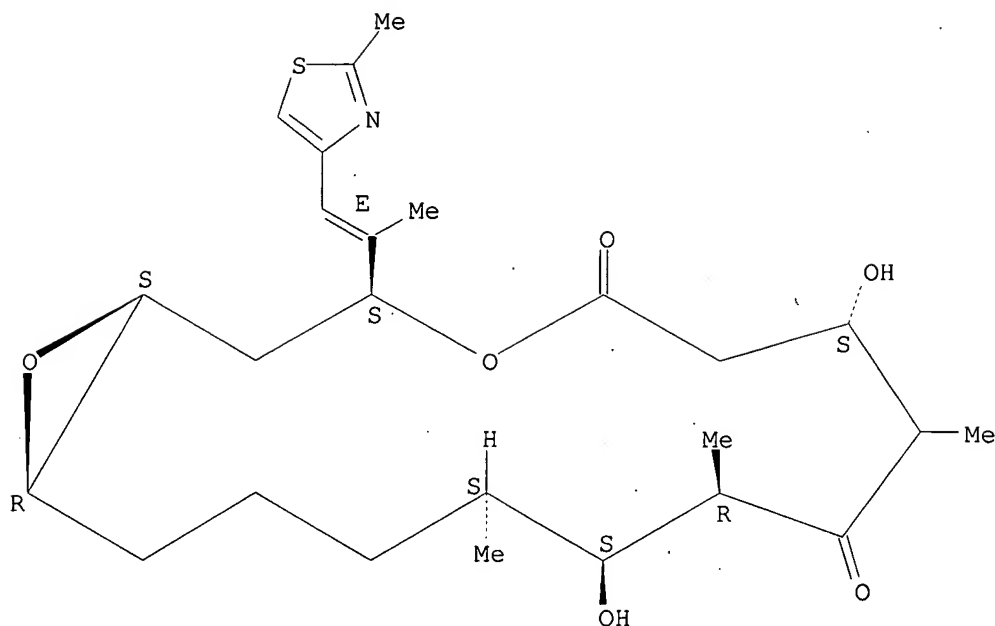
RN 252917-30-9 CAPLUS

CN 4,17-Dioxabicyclo[14.1.0]heptadecane-5,9-dione, 7,11-dihydroxy-8,10,12-trimethyl-3-[(1E)-1-methyl-2-(2-methyl-4-thiazolyl)ethenyl]-, (1S,3S,7S,10R,11S,12S,16R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

Double bond geometry as shown.

Currently available stereo shown.



REFERENCE COUNT: 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1999:811249 CAPLUS
 DOCUMENT NUMBER: 132:49105
 TITLE: Epothilone minor constituents
 INVENTOR(S): Hoefle, Gerhard; Reichenbach, Hans; Gerth, Klaus; Hardt, Ingo; Sasse, Florenz; Steinmetz, Heinrich
 PATENT ASSIGNEE(S): Gesellschaft Fur Biotechnologische Forschung m.b.H. (Gbf), Germany
 SOURCE: PCT Int. Appl., 36 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9965913	A2	19991223	WO 1999-EP4244	19990618
WO 9965913	A3	20000420		
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RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 19826988	A1	19991223	DE 1998-19826988	19980618
CA 2336189	A1	19991223	CA 1999-2336189	19990618
AU 9948995	A	20000105	AU 1999-48995	19990618
AU 757452	B2	20030220		
EP 1087975	A2	20010404	EP 1999-932700	19990618
EP 1087975	B1	20030827		
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JP 2002518397	T	20020625	JP 2000-554738	19990618
EP 1275648	A1	20030115	EP 2002-22332	19990618

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AT 248174	T	20030915	AT 1999-932700	19990618
PT 1087975	T	20040130	PT 1999-932700	19990618
ES 2207249	T3	20040516	ES 1999-932700	19990618
US 6624310	B1	20030923	US 2001-719932	20010321
US 2004049051	A1	20040311	US 2003-457098	20030606
US 2006142584	A1	20060629	US 2006-354769	20060215

PRIORITY APPLN. INFO.:

DE 1998-19826988	A	19980618
EP 1999-932700	A3	19990618
WO 1999-EP4244	W	19990618
US 2001-719932	A3	20010321
US 2003-457098	A1	20030606

AB The invention relates to compds. which are obtained by fermenting DSM 6773, especially epothilones A1, A2, A8, A9, B10, C1, C2, C3, C4, C5, C6, C7, C8, C9, D1, D2, D5, G1, G2, H1, H2, I1, I2, I3, I4, I5, I6 and K and trans-epothilones C1 and C2.

IT 252917-29-6P, Epothilone A1 252917-30-9P, Epothilone A2

RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); PRP (Properties); PUR (Purification or recovery); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation)

(epothilone minor constituents)

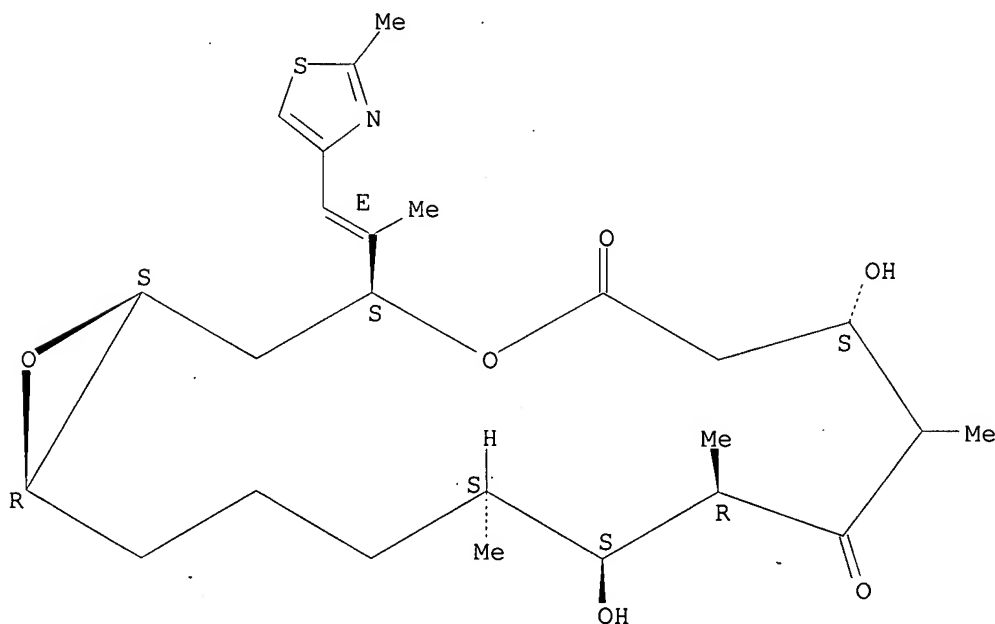
RN 252917-29-6 CAPLUS

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Absolute stereochemistry. Rotation (-).

Double bond geometry as shown.

Currently available stereo shown.



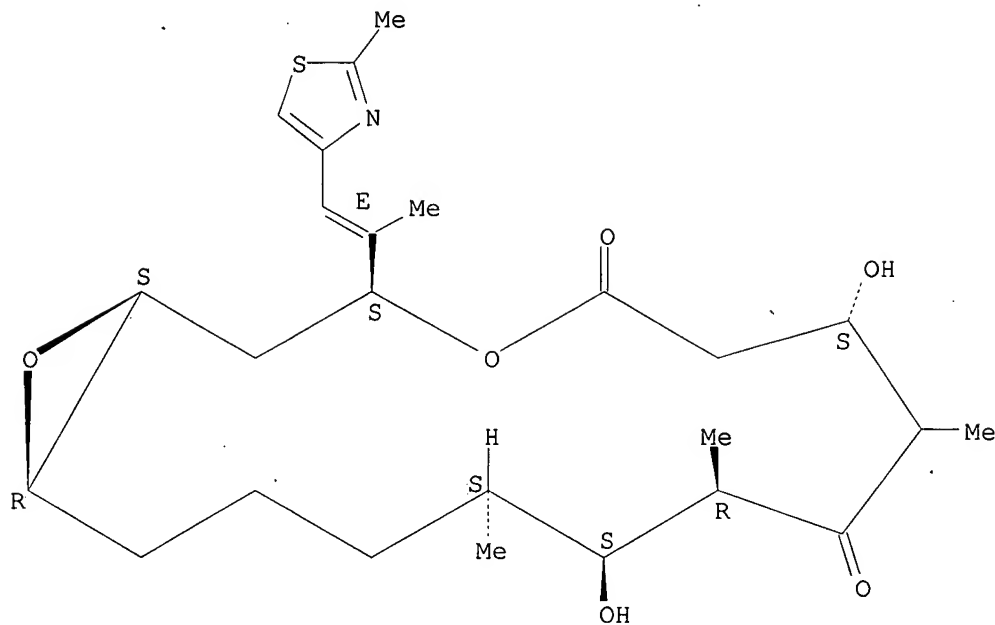
RN 252917-30-9 CAPLUS

CN 4,17-Dioxabicyclo[14.1.0]heptadecane-5,9-dione, 7,11-dihydroxy-8,10,12-trimethyl-3-[(1E)-1-methyl-2-(2-methyl-4-thiazolyl)ethenyl]-, (1S,3S,7S,10R,11S,12S,16R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

Double bond geometry as shown.

Currently available stereo shown.



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L3 9 S L1 FULL

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L4 6 S L3 FULL

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NEWS	6	NOV 10	CA/CAPLUS F-Term thesaurus enhanced
NEWS	7	NOV 10	STN Express with Discover! free maintenance release Version 8.01c now available
NEWS	8	NOV 20	CA/CAPLUS to MARPAT accession number crossover limit increased to 50,000
NEWS	9	DEC 01	CAS REGISTRY updated with new ambiguity codes
NEWS	10	DEC 11	CAS REGISTRY chemical nomenclature enhanced
NEWS	11	DEC 14	WPIDS/WPINDEX/WPIX manual codes updated
NEWS	12	DEC 14	GBFULL and FRFULL enhanced with IPC 8 features and functionality
NEWS	13	DEC 18	CA/CAPLUS pre-1967 chemical substance index entries enhanced with preparation role
NEWS	14	DEC 18	CA/CAPLUS patent kind codes updated
NEWS	15	DEC 18	MARPAT to CA/CAPLUS accession number crossover limit increased to 50,000
NEWS	16	DEC 18	MEDLINE updated in preparation for 2007 reload
NEWS	17	DEC 27	CA/CAPLUS enhanced with more pre-1907 records
NEWS	18	JAN 08	CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS	19	JAN 16	CA/CAPLUS Company Name Thesaurus enhanced and reloaded
NEWS	20	JAN 16	IPC version 2007.01 thesaurus available on STN
NEWS	21	JAN 16	WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS	22	JAN 22	CA/CAPLUS updated with revised CAS roles
NEWS	23	JAN 22	CA/CAPLUS enhanced with patent applications from India
NEWS	24	JAN 29	PHAR reloaded with new search and display fields
NEWS	25	JAN 29	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS EXPRESS			NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.
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NEWS LOGIN			Welcome Banner and News Items
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NEWS X25			X.25 communication option no longer available

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DICTIONARY FILE UPDATES: 11 FEB 2007 HIGHEST RN 920490-65-9

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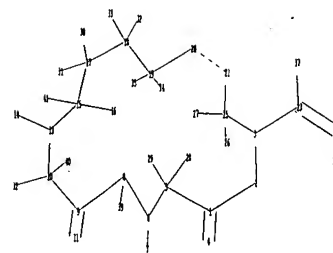
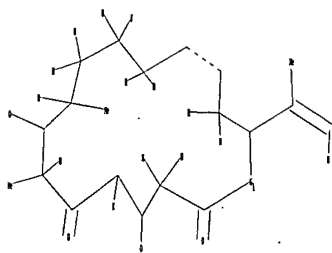
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 20-21 21-25
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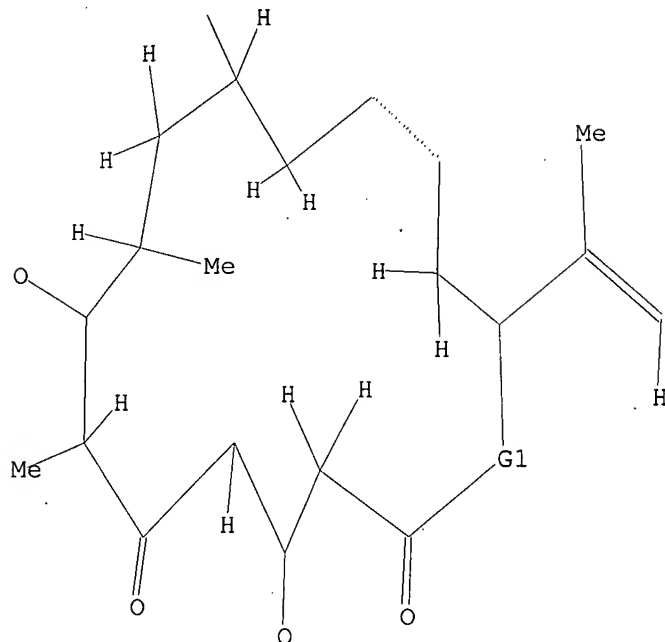
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 37:CLASS 39:CLASS 40:CLASS 41:CLASS

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L1 HAS NO ANSWERS

L1 STR



G1 O,N

Structure attributes must be viewed using STN Express query preparation.

=> s 11

SAMPLE SEARCH INITIATED 14:04:27 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 2669 TO ITERATE

74.9% PROCESSED 2000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 50282 TO 56478

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s 11 full

FULL SEARCH INITIATED 14:04:31 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 54864 TO ITERATE

100.0% PROCESSED 54864 ITERATIONS
SEARCH TIME: 00.00.01

14 ANSWERS

L3 14 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

FILE 'CAPLUS' ENTERED AT 14:04:36 ON 12 FEB 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

OTHER SOURCE(S): MARPAT 143:171398

AB Described is a method for production of epothilones derivs. in Myxococcus or Sorangium comprising PKS mutant gene. The invention also relates to the uses of these compds. in preparing medicine composition for treating tumor, inhibiting cell proliferation and growth.

IT 252917-35-4P 252917-37-6P 860300-23-8P

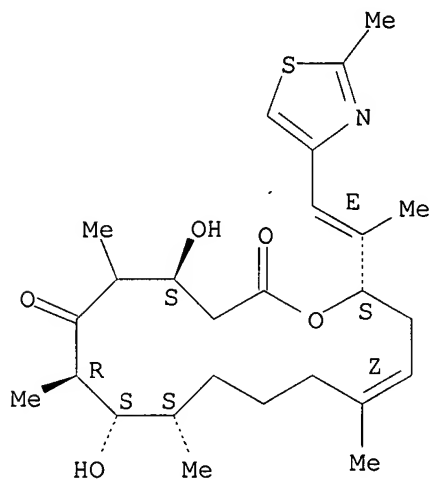
RL: BPN (Biosynthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(production of epothilones derivs. in Myxococcus or Sorangium comprising PKS mutant gene)

RN 252917-35-4 CAPLUS

CN Oxacyclohexadec-13-ene-2,6-dione, 4,8-dihydroxy-5,7,9,13-tetramethyl-16-[(1E)-1-methyl-2-(2-methyl-4-thiazolyl)ethenyl]-, (4S,7R,8S,9S,13Z,16S)-

(9CI) (CA INDEX NAME)

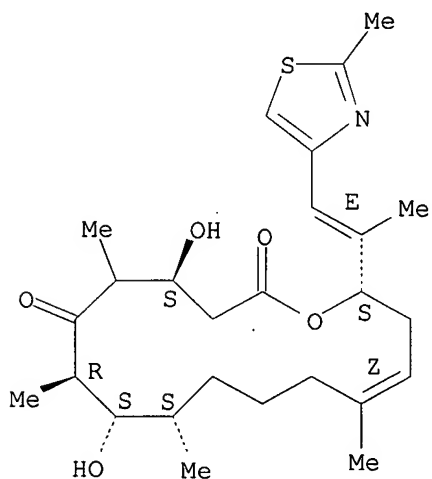
Absolute stereochemistry. Rotation (-).
Double bond geometry as shown.
Currently available stereo shown.



RN 252917-37-6 CAPLUS

CN Oxacyclohexadec-13-ene-2,6-dione, 4,8-dihydroxy-5,7,9,13-tetramethyl-16-[(1E)-1-methyl-2-(2-methyl-4-thiazolyl)ethenyl]-, (4S,7R,8S,9S,13Z,16S)- (9CI) (CA INDEX NAME)

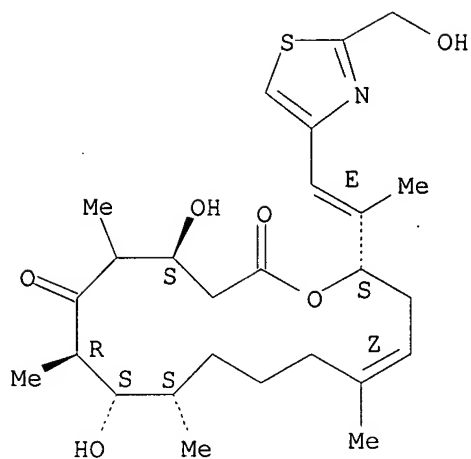
Absolute stereochemistry. Rotation (-).
Double bond geometry as shown.
Currently available stereo shown.



RN 860300-23-8 CAPLUS

CN Oxacyclohexadec-13-ene-2,6-dione, 4,8-dihydroxy-16-[(1E)-2-[2-(hydroxymethyl)-4-thiazolyl]-1-methylethenyl]-5,7,9,13-tetramethyl-, (4S,7R,8S,9S,13Z,16S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



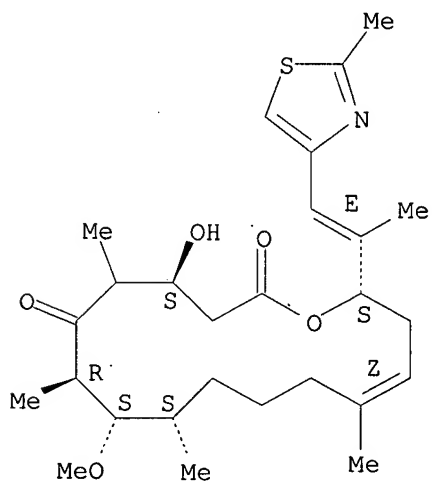
IT 860300-09-0P 860300-14-7P 860300-16-9P
860300-17-0P 860300-18-1P 860300-20-5P
860300-26-1P

RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(production of epothilones derivs. in Myxococcus or Sorangium comprising PKS mutant gene)

RN 860300-09-0 CAPLUS

CN Oxacyclohexadec-13-ene-2,6-dione, 4-hydroxy-8-methoxy-5,7,9,13-tetramethyl-16-[(1E)-1-methyl-2-(2-methyl-4-thiazolyl)ethenyl]-, (4S,7R,8S,9S,13Z,16S)-(9CI) (CA INDEX NAME)

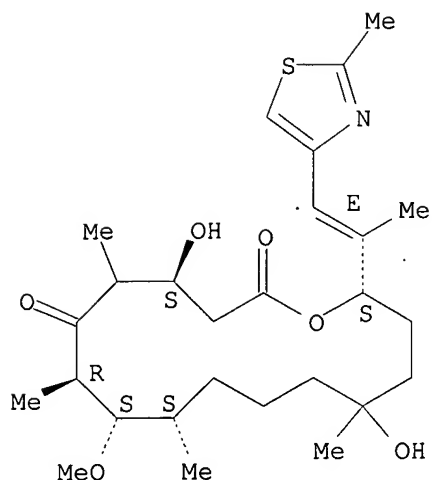
Absolute stereochemistry.
Double bond geometry as shown.



RN 860300-14-7 CAPLUS

CN Oxacyclohexadecane-2,6-dione, 4,13-dihydroxy-8-methoxy-5,7,9,13-tetramethyl-16-[(1E)-1-methyl-2-(2-methyl-4-thiazolyl)ethenyl]-, (4S,7R,8S,9S,16S)-(9CI) (CA INDEX NAME)

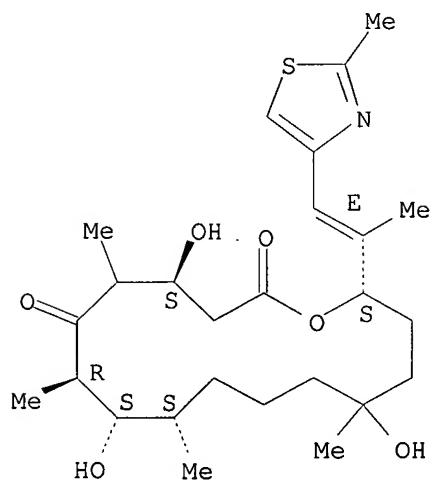
Absolute stereochemistry.
Double bond geometry as shown.



RN 860300-16-9 CAPLUS

CN Oxacyclohexadecane-2,6-dione, 4,8,13-trihydroxy-5,7,9,13-tetramethyl-16-[(1E)-1-methyl-2-(2-methyl-4-thiazolyl)ethenyl]-, (4S,7R,8S,9S,16S)- (9CI)
(CA INDEX NAME)

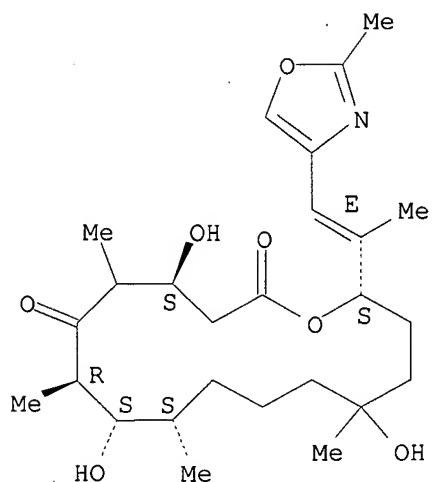
Absolute stereochemistry.
Double bond geometry as shown.



RN 860300-17-0 CAPLUS

CN Oxacyclohexadecane-2,6-dione, 4,8,13-trihydroxy-5,7,9,13-tetramethyl-16-[(1E)-1-methyl-2-(2-methyl-4-oxazolyl)ethenyl]-, (4S,7R,8S,9S,16S)- (9CI)
(CA INDEX NAME)

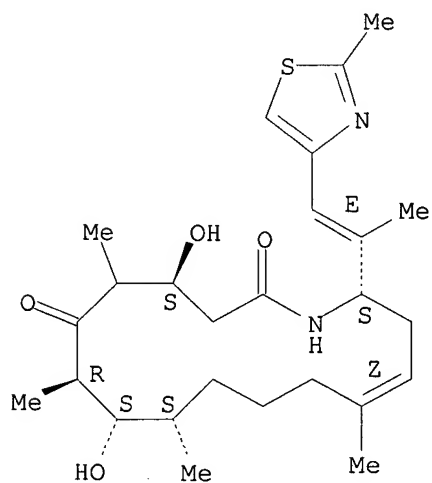
Absolute stereochemistry.
Double bond geometry as shown.



RN 860300-18-1 CAPLUS

CN Azacyclohexadec-13-ene-2,6-dione, 4,8-dihydroxy-5,7,9,13-tetramethyl-16-[(1E)-1-methyl-2-(2-methyl-4-thiazolyl)ethenyl]-, (4S,7R,8S,9S,13Z,16S)-(9CI) (CA INDEX NAME)

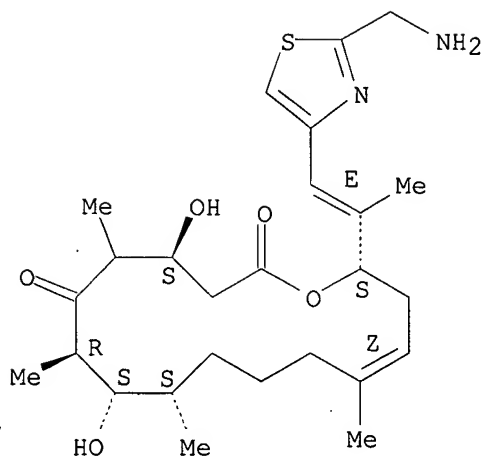
Absolute stereochemistry.
Double bond geometry as shown.



RN 860300-20-5 CAPLUS

CN Oxacyclohexadec-13-ene-2,6-dione, 16-[(1E)-2-[2-(aminomethyl)-4-thiazolyl]-1-methylethenyl]-4,8-dihydroxy-5,7,9,13-tetramethyl-, (4S,7R,8S,9S,13Z,16S)-(9CI) (CA INDEX NAME)

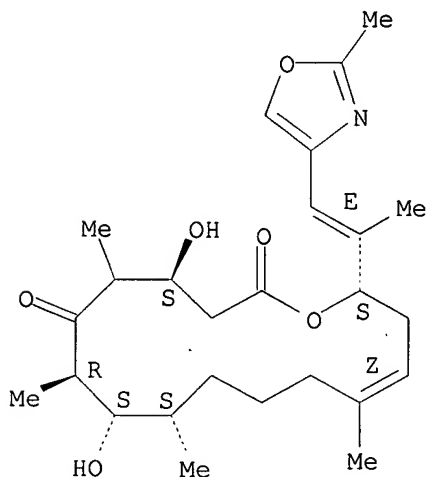
Absolute stereochemistry.
Double bond geometry as shown.



RN 860300-26-1 CAPLUS

CN Oxacyclohexadec-13-ene-2,6-dione, 4,8-dihydroxy-5,7,9,13-tetramethyl-16-[(1E)-1-methyl-2-(2-methyl-4-oxazolyl)ethenyl]-, (4S,7R,8S,9S,13Z,16S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:413810 CAPLUS

DOCUMENT NUMBER: 135:179755

TITLE: New Natural Epothilones from *Sorangium cellulosum*, Strains So ce90/B2 and So ce90/D13: Isolation, Structure Elucidation, and SAR Studies

AUTHOR(S): Hardt, Ingo H.; Steinmetz, Heinrich; Gerth, Klaus; Sasse, F.; Reichenbach, Hans; Hoefle, Gerhard

CORPORATE SOURCE: Gesellschaft fuer Biotechnologische Forschung mbH, Braunschweig, D-38124, Germany

SOURCE: Journal of Natural Products (2001), 64(7), 847-856
CODEN: JNPRDF; ISSN: 0163-3864

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

AB In addition to epothilones A (1) and B (2), 37 natural epothilone variants and epothilone-related compds. were isolated from the culture broth of a 700 L fermentation of *Sorangium cellulosum*, strain So ce90/B2. Of these, only

the 12,13-desoxyepothilones, epothilone C (14) and D (15), were produced in significant amts. (3-6 mg/L); the 21-hydroxy derivs. and epothilones E (3) and F (4), in low and variable amts. due to further degradation by the producing organism. Most of the other epothilone variants were produced only in 1-100 µg/L amts. The new compds. are very similar in structure to the parent compds. 1, 2 and 14, 15 and are presumably the result of the imperfect selectivity of the biosynthetic enzymes for acetate and propionate. Further, epothilones containing an oxazole moiety (10-13) in the side chain instead of a thiazole as well as ring-expanded 18-membered macrolides, epothilones I (30-35), and a ring contracted 14-membered macrolide, epothilone K (36), were found as very minor metabolites. The mutant strain, So ce90/D13, instead of macrolactones, produced short-chain carboxylic acids 40, 41, and 42 bearing the characteristic thiazole side chain. The structures of the new epothilones were elucidated on the basis of comprehensive NMR and MS data. The new epothilone variants were tested in a cytotoxicity assay with mouse fibroblasts (cell line L929), and structure-activity relationships were established. Several new natural epothilones showed activity comparable to 1 and 2, but in no case exceeded that of 2.

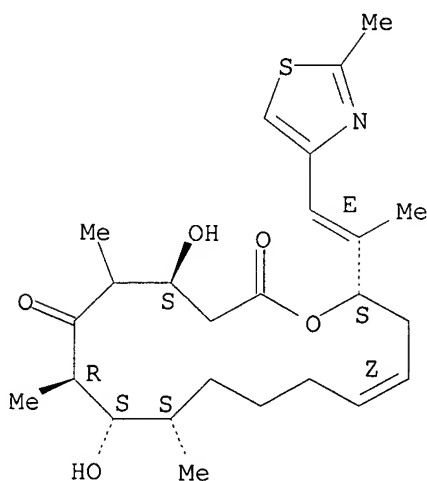
IT 252917-34-3P, Epothilone C1 252917-35-4P, Epothilone D1
252917-36-5P, Epothilone C2 252917-37-6P, Epothilone D2
252917-48-9P, trans-Epothilone C1 252917-49-0P,
trans-Epothilone C2

RL: BPN (Biosynthetic preparation); PRP (Properties); PUR (Purification or recovery); BIOL (Biological study); PREP (Preparation)
(new natural epothilones from *Sorangium cellulosum*)

RN 252917-34-3 CAPLUS

CN Oxacyclohexadec-13-ene-2,6-dione, 4,8-dihydroxy-5,7,9-trimethyl-16-[(1E)-1-methyl-2-(2-methyl-4-thiazolyl)ethenyl]-, (4S,7R,8S,9S,13Z,16S)- (9CI)
(CA INDEX NAME)

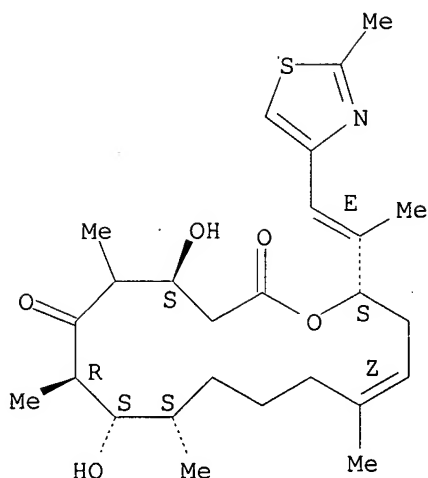
Absolute stereochemistry. Rotation (-).
Double bond geometry as shown.
Currently available stereo shown.



RN 252917-35-4 CAPLUS

CN Oxacyclohexadec-13-ene-2,6-dione, 4,8-dihydroxy-5,7,9,13-tetramethyl-16-[(1E)-1-methyl-2-(2-methyl-4-thiazolyl)ethenyl]-, (4S,7R,8S,9S,13Z,16S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).
Double bond geometry as shown.
Currently available stereo shown.



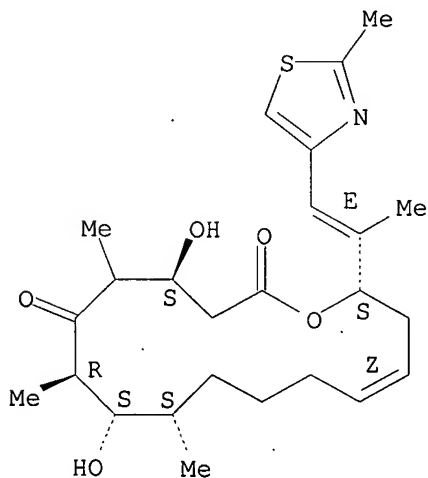
RN 252917-36-5 CAPLUS

CN Oxacyclohexadec-13-ene-2,6-dione, 4,8-dihydroxy-5,7,9-trimethyl-16-[(1E)-1-methyl-2-(2-methyl-4-thiazolyl)ethenyl]-, (4S,7R,8S,9S,13Z,16S)- (9CI)
(CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

Double bond geometry as shown.

Currently available stereo shown.



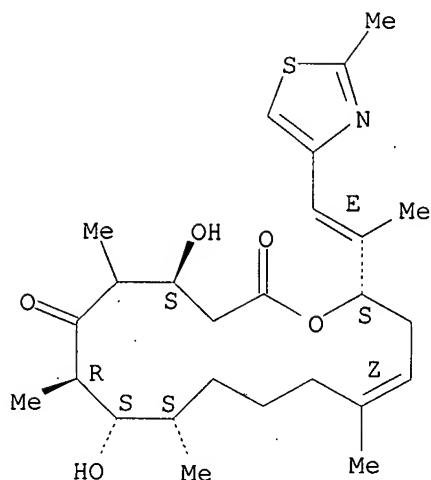
RN 252917-37-6 CAPLUS

CN Oxacyclohexadec-13-ene-2,6-dione, 4,8-dihydroxy-5,7,9,13-tetramethyl-16-[(1E)-1-methyl-2-(2-methyl-4-thiazolyl)ethenyl]-, (4S,7R,8S,9S,13Z,16S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

Double bond geometry as shown.

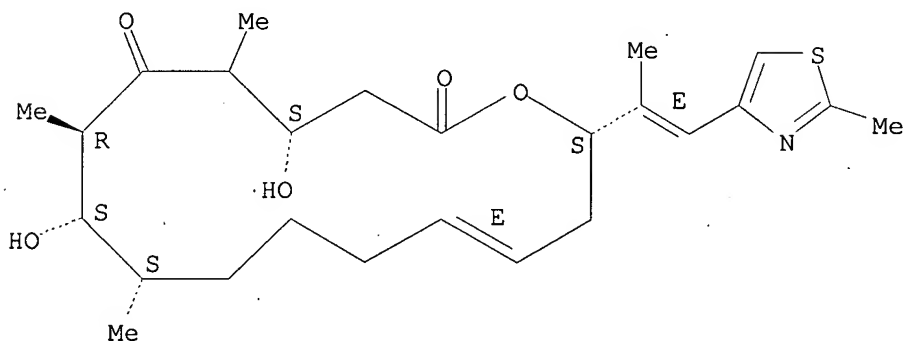
Currently available stereo shown.



RN 252917-48-9 CAPLUS

CN Oxacyclohexadec-13-ene-2,6-dione, 4,8-dihydroxy-5,7,9-trimethyl-16-[(1E)-1-methyl-2-(2-methyl-4-thiazolyl)ethenyl]-, (4S,7R,8S,9S,13E,16S)- (9CI)
(CA INDEX NAME)

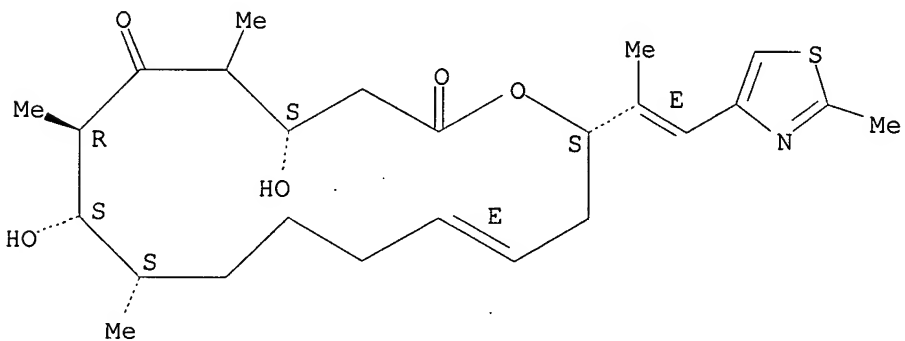
Absolute stereochemistry. Rotation (-).
Double bond geometry as shown.
Currently available stereo shown.



RN 252917-49-0 CAPLUS

CN Oxacyclohexadec-13-ene-2,6-dione, 4,8-dihydroxy-5,7,9-trimethyl-16-[(1E)-1-methyl-2-(2-methyl-4-thiazolyl)ethenyl]-, (4S,7R,8S,9S,13E,16S)- (9CI)
(CA INDEX NAME)

Absolute stereochemistry. Rotation (-).
Double bond geometry as shown.
Currently available stereo shown.



REFERENCE COUNT: 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1999:811249 CAPLUS
DOCUMENT NUMBER: 132:49105
TITLE: Epothilone minor constituents
INVENTOR(S): Hoefle, Gerhard; Reichenbach, Hans; Gerth, Klaus;
Hardt, Ingo; Sasse, Florenz; Steinmetz, Heinrich
PATENT ASSIGNEE(S): Gesellschaft Fur Biotechnologische Forschung m.b.H.
(Gbf), Germany
SOURCE: PCT Int. Appl., 36 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9965913	A2	19991223	WO 1999-EP4244	19990618
WO 9965913	A3	20000420		
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
DE 19826988	A1	19991223	DE 1998-19826988	19980618
CA 2336189	A1	19991223	CA 1999-2336189	19990618
AU 9948995	A	20000105	AU 1999-48995	19990618
AU 757452	B2	20030220		
EP 1087975	A2	20010404	EP 1999-932700	19990618
EP 1087975	B1	20030827		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
JP 2002518397	T	20020625	JP 2000-554738	19990618
EP 1275648	A1	20030115	EP 2002-22332	19990618
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AT 248174	T	20030915	AT 1999-932700	19990618
PT 1087975	T	20040130	PT 1999-932700	19990618
ES 2207249	T3	20040516	ES 1999-932700	19990618
US 6624310	B1	20030923	US 2001-719932	20010321
US 2004049051	A1	20040311	US 2003-457098	20030606
US 2006142584	A1	20060629	US 2006-354769	20060215
PRIORITY APPLN. INFO.:			DE 1998-19826988	A 19980618
			EP 1999-932700	A3 19990618
			WO 1999-EP4244	W 19990618
			US 2001-719932	A3 20010321
			US 2003-457098	A1 20030606
AB	The invention relates to compds. which are obtained by fermenting DSM 6773, especially epothilones A1, A2, A8, A9, B10, C1, C2, C3, C4, C5, C6, C7, C8, C9, D1, D2, D5, G1, G2, H1, H2, I1, I2, I3, I4, I5, I6 and K and trans-epothilones C1 and C2.			
IT	252917-34-3P, Epothilone C1 252917-35-4P, Epothilone D1 252917-36-5P, Epothilone C2 252917-37-6P, Epothilone D2 252917-48-9P, trans-Epothilone C1 252917-49-0P, trans-Epothilone C2			
RL:	BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); PRP (Properties); PUR (Purification or recovery); BIOL (Biological study); OCCU (Occurrence);			

PREP (Preparation)

(epothilone minor constituents)

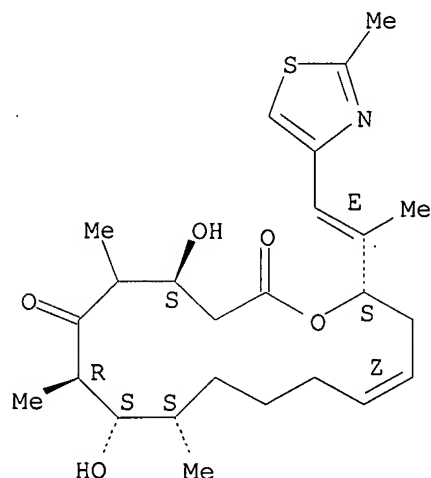
RN 252917-34-3 CAPLUS

CN Oxacyclohexadec-13-ene-2,6-dione, 4,8-dihydroxy-5,7,9-trimethyl-16-[(1E)-1-methyl-2-(2-methyl-4-thiazolyl)ethenyl]-, (4S,7R,8S,9S,13Z,16S)- (9CI)
(CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

Double bond geometry as shown.

Currently available stereo shown.



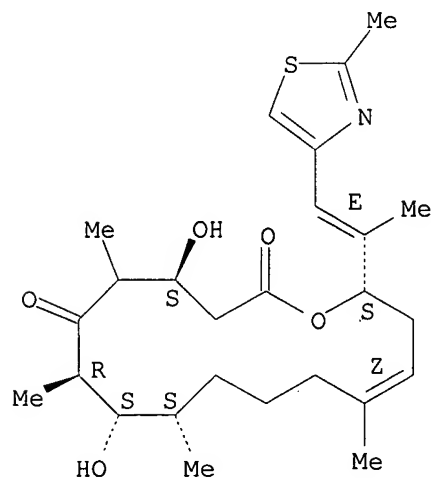
RN 252917-35-4 CAPLUS

CN Oxacyclohexadec-13-ene-2,6-dione, 4,8-dihydroxy-5,7,9,13-tetramethyl-16-[(1E)-1-methyl-2-(2-methyl-4-thiazolyl)ethenyl]-, (4S,7R,8S,9S,13Z,16S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

Double bond geometry as shown.

Currently available stereo shown.



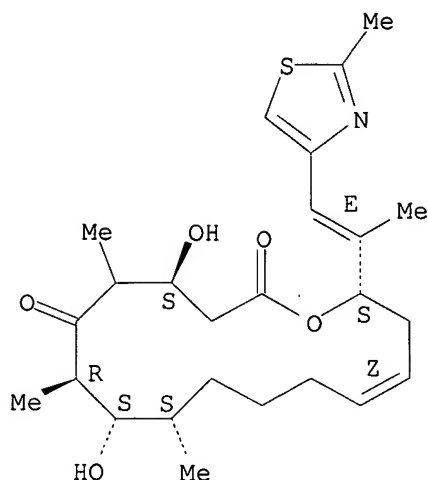
RN 252917-36-5 CAPLUS

CN Oxacyclohexadec-13-ene-2,6-dione, 4,8-dihydroxy-5,7,9-trimethyl-16-[(1E)-1-methyl-2-(2-methyl-4-thiazolyl)ethenyl]-, (4S,7R,8S,9S,13Z,16S)- (9CI)
(CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

Double bond geometry as shown.

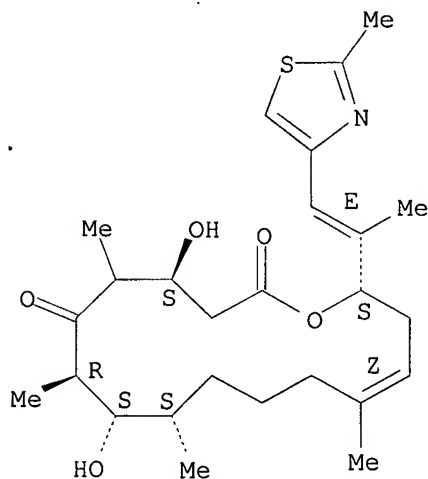
Currently available stereo shown.



RN 252917-37-6 CAPLUS

CN Oxacyclohexadec-13-ene-2,6-dione, 4,8-dihydroxy-5,7,9,13-tetramethyl-16-[(1E)-1-methyl-2-(2-methyl-4-thiazolyl)ethenyl]-, (4S,7R,8S,9S,13Z,16S)- (9CI) (CA INDEX NAME)

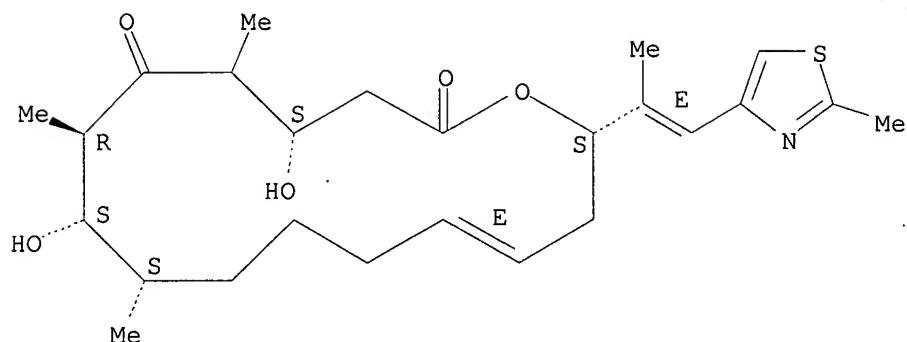
Absolute stereochemistry. Rotation (-).
Double bond geometry as shown.
Currently available stereo shown.



RN 252917-48-9 CAPLUS

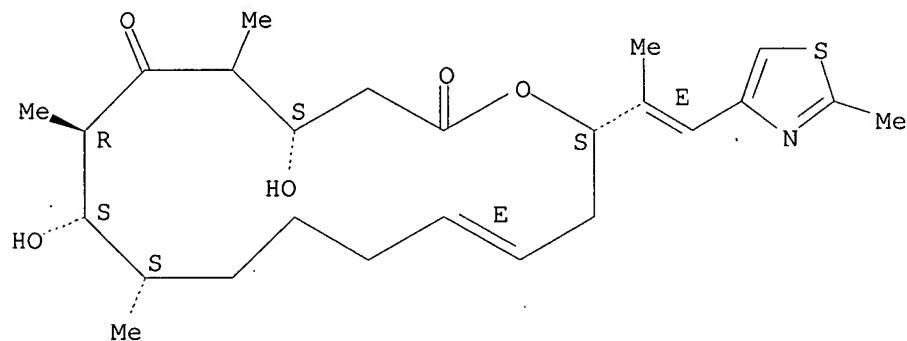
CN Oxacyclohexadec-13-ene-2,6-dione, 4,8-dihydroxy-5,7,9-trimethyl-16-[(1E)-1-methyl-2-(2-methyl-4-thiazolyl)ethenyl]-, (4S,7R,8S,9S,13E,16S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).
Double bond geometry as shown.
Currently available stereo shown.



RN 252917-49-0 CAPLUS
 CN Oxacyclohexadec-13-ene-2,6-dione, 4,8-dihydroxy-5,7,9-trimethyl-16-[(1E)-1-methyl-2-(2-methyl-4-thiazolyl)ethenyl]-, (4S,7R,8S,9S,13E,16S)-(9CI)
 (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).
 Double bond geometry as shown.
 Currently available stereo shown.



=> d his

(FILE 'HOME' ENTERED AT 14:03:26 ON 12 FEB 2007)

FILE 'REGISTRY' ENTERED AT 14:03:59 ON 12 FEB 2007

L1 STRUCTURE UPLOADED
 L2 0 S L1
 L3 14 S L1 FULL

FILE 'CAPLUS' ENTERED AT 14:04:36 ON 12 FEB 2007

L4 3 S L3 FULL

=> log y

COST IN U.S. DOLLARS

SINCE FILE ENTRY	TOTAL SESSION
21.45	193.76

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE ENTRY	TOTAL SESSION
-2.34	-2.34

CA SUBSCRIBER PRICE

STN INTERNATIONAL LOGOFF AT 14:11:37 ON 12 FEB 2007